

VDOİHİ

Bağımlı Olasılıklı Farklı Dizilimsiz
Dağılımlarda Simetrinin Durumlarının
Bulunabileceği Olaylara Göre Kalan
Simetrik Bitişik-Ayrım Bulunmama
Olasılığı

Cilt 1.10.4

İsmail YILMAZ

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Yılmaz, İsmail.

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1. Bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı 2. Simetrimin bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı 3. Simetrimin iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı 4. Simetrimin üç durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı 5. Simetrimin dört durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı

Dili: Türkçe + Matematik Mantık

Yazar Hakkında

İsmail YILMAZ; Hamzabey Köyü, Yeniçağa, Bolu'da 1973 yılında doğdu. İlkokulu köyünde tamamladıktan sonra, ortaokulu Yeniçağa ortaokulunda tamamladı. Liseyi Ankara Ömer Seyfettin ve Gazi Çiftliği Liselerinde okudu. Lisans eğitimini Çukurova Üniversitesi Fen Edebiyat Fakültesi Fizik bölümünde ve doktora eğitimini Gazi Üniversitesi Eğitim Bilimleri Enstitüsü Fen Bilgisi Eğitimi Anabilim Dalında tamamladı. Fen Bilgisi Eğitiminde; Newton'un hareket yasaları, elektrik ve manyetizmanın prosedürel ve deneysel bilgi yapılarıyla birlikte matematik mantık yapıları üzerine çalışmalar yapmıştır. Yazarın lisans alanlarında yapmış olduğu çalışmalar arasında ölçme ve değerlendirmeye yönelik çalışmaları mevcuttur.

Yazar ve VDOİHİ

Yazar doktora tez çalışmasına kadar, dijital makinalarla sayısallaştırılabilir fakat insan tarafından sayısallaştırılmayan verileri, anlamlı küçük parça (akp)'lara ayırıp skorlandırarak, sayısallaştırma problemini çözmüştür. Aynı en küçük parçaların Türkçe kısaltmasını olasılığın birimlendirilebilir olmasından dolayı, olasılık birimini akp olarak belirlemiştir. Matematikinin başlangıçta olasılık olan tüm bağımlı değişkenlerde olabileceği gibi aynı zamanda enformasyonunda temeli olasılık olduğunda enformasyon içeriğinin de doğal birimi akp'dir.

Verilerin objektif lojik semplicitéde sayısallaştırılması, Veri Değişkenleri Olasılık ve İhtimal Hesaplama İstatistiği (VDOİHİ) geliştirmeye başlanmıştır. Doktora tezinin nitel verilerini, bir ilk olarak, $-1, 0, 1$ skorlarını sayısallaştırarak iki tabanlı olasılığı sınıflandırıp; pozitif, negatif (ve negatiflerdeki pozitif skorlar için ayrıca eşitlik tanımlaması yapılarak), ilişkisiz ve sıfır skor aşamalarını değerlendirme yöntemi geliştirmiştir. Bu yöntemin tüm kavramlarının; taban ve formüllerine sınırları belirlenip, kendi içinde tam bir matematiği geliştirilip, uygulamalarla veri elde edilmiş, verilerin hem değerlendirmeleri hem de bulguların sözel ifadelerini veren yazılım paket programı yapılarak, bir disiplinin tüm yönleri yazar tarafından gerçekleştirilerek doktorasını bilim tarihinde yine bir ilk ile tamamlamıştır. Nitel verilerden elde edilebilen bulguların sözel ifadelerini veren yazılım paket programı gerçekleştirilmesi gereken yapay zekanın ilk örneğidir.

Yazar, ölçme araçları için madde tekniği tanımlayıp, değerlendirme yöntemlerini belirleştiren eğitimde ölçme ve değerlendirme için beş yeni boyut aktiflemiştir. Ölçme ve değerlendirmeye, aktif ve pasif değerlendirme tanımlaması yapılarak, matematiği geliştirilmiş ve geliştirilmeye devam edilmektedir. Yazar yaptığı çalışmalarda Problem Çözüm Tekniklerini (PÇT) aktifleyerek; verilenler-istenilenler (Vİ), serbest cisim diyagramı/çizim (SCD), tanım, formül ve işlem aşamalarıyla, eğitimde ölçme ve değerlendirmede beş boyut daha aktiflemiştir. PÇT aşamalarını bilgi düzeyi, çözümlerin sonucunu da başarı düzeyi olarak tanımlayıp, ölçme ve değerlendirme için iki yeni boyut daha kazandırmıştır. Sınıflandırılmış iki tabanlı olasılık yönteminin aşamaları ve negatiflerdeki pozitiflerle, ölçme ve değerlendirmeye beş yeni boyut daha kazandırılmıştır. Verilerin; Shannon eşitliği veya VDOİHİ'de verilen olasılık-ihtimal eşitlikleriyle değerlendirmeyi bilgi

merkezli, matematiksel fonksiyonlarla (lineer, kuvvet, trigonometri “sin, cos, tan, cot, sinh, cosh, tanh, coth”, ln, log, eksponansiyel v.d.) değerlendirmeyi ise birey merkezli değerlendirme, sınırlandırması getirerek, değerlendirmeye iki yeni boyut daha kazandırmıştır. Ayrıca $\frac{a}{b} + \frac{c}{d}$ ve $\frac{a+c}{b+d}$ matematiksel işlemlerinin anlam ve sonuç farklılıklarını, değerlendirme için aktifleyerek, değerlendirmeye iki yeni boyut daha kazandırmıştır. Böylece eğitimde ölçme ve değerlendirmeye; PÇT aşamaları 5×5 , yine PÇT'nin bilgi ve başarı düzeylerinin 2×2 , sınıflandırılmış iki tabanlı olasılık yöntemi 5×5 , bilgi ve başarı merkezli ölçme ve değerlendirmeyle 2×2 , matematiksel işlem farklılıklarıyla 2×2 olmak üzere 40.000 yeni boyut kazandırmıştır. Bu boyutlara yukarıda verilen matematiksel fonksiyonlarında dahil edilmesiyle en az (13×13) 6.760.000 yeni boyutun primitif ölçme, ölçme ve değerlendirmeye, katılabilmesinin yolu yazar tarafından açılmış olmasına karşılık, günümüze kadar yukarıda bahsedilen boyutların ilgi düzeyinde ölçme ve değerlendirme, tek boyuttan öteye (lineer değerlendirme) çıkarılamamıştır. Bu noktadan sonra, ölçme ve değerlendirmeye fark istatistiğiyle boyut kazandırılabilir. Fark istatistiğiyle kazandırılan boyutlarında hem ihtimal çıkarılacak yeni boyutlar hem de ihtimallerin fark istatistiğinden türetilen gelecek boyutların yanında günlük kalacağı kesin! Ölçme ve değerlendirmeye yeni boyutlar kazandırılmadan en önemli amaçları; beynin öğrenme yapısının kesin bir şekilde belirlenebilmesi ve öğretim süreçlerinin bilimsel bir şekilde yapılandırılabilmesidir. Beyinle ilgili VDOİHİ Bağımlı Olasılık Cilt 1'in giriş bölümünde verilenlerin genişletilmesine burada devam edilmektedir. Fakat öğretim süreçlerinin; teorik öngörülerle ve/veya insanın yaradıcılığına uyma olasılığı son derece düşük doğrusal değerlendirmelerle yapılandırılması, yazar tarafından insana ihanet olarak görüldüğünden, doğru verilerle eğitimi bilimsel mantıklarla yapılandırılabilmesi için, ölçme ve değerlendirmeye yeni boyut kazandırılmaktadır.

Günümüze kadar yaşayan dillerde 10 kavram bile kazandırabilen hemen hemen yokken, yayınlanan VDOİHİ ciltlerinde (ciltler 2.2.1, 2.2.1, 2.3.1 ve 2.3.2) yaklaşık 1000 kavram Türkçeye kazandırılarak ciltlerin dizinlerinde verilmiştir. Bu kavramların tüm sınırları belirlenip, açık ve anlaşılır tanımlarla birlikte, eşitlikleri de verilmiştir. Bu düzeyde yani bilimsel düzeyde bilimsel kavramlar Türkçe olarak kazandırılmıştır. Yayınlanacak VDOİHİ'lerde bilimsel Türkçe kazandırılacak kavramların on binler düzeyinde olacağı öngörülmektedir.

VDOİHİ'de verilen kavramlar aynı zamanda dillerinde eşitlikleridir. Diğer bir ifadeyle dillerin matematik yapıları VDOİHİ ile ortaya çıkarılmıştır. Türkçe ve İngilizcenin olasılık yapıları VDOİHİ'ye belirlenerek, formüllerin dillere (ağırlıklı Türkçe) uygulamalarıyla hem dillerin objektif yapıları belirginleştiriliyor hem de makina-insan arası iletişimde, makinaların iletişim dili olarak en üst dil olarak Türkçe geliştiriliyor. İleriki ciltlerde Türkçenin matematik mantık yapısı da verilerek, Türkçe'nin makinaların iletişim dili yapılması öngörülmektedir.

Bilim(de) kesin olanla ilgileni(li)r, yani bilim eşitlik ve/veya yasa üretir veya eşitliklerle konuşur. Bunun mümkün olmadığı durumlarda geçici çözümler üretilebilir. Bu geçici çözümler veya yöntemleri, her hangi bir nedenle bilimsel olamaz. Bilimin yasa veya eşitlik üretimindeki kırılma, Cebirle başlamıştır. Bilimdeki bu kırılma mühendisliğin, teknolojiye

dönüşümünün başlangıcıdır. Bilimdeki kırılma ve mühendisliğin teknolojiye dönüşümü, insanlığın gelişimini hızlandırmakla birlikte, bu alanda çalışanların; ego, öngörüsüzlük, ufuksuzluk ve beceriksizlikleri gibi nedenlerden dolayı, insanlığın gelişimi ivmelendirilemediği gibi bu basiretsizliklerle insanlığa pranga vurmaya bile kısmen başarabilmişlerdir. VDOİHİ ve telifli eserlerinde verilen; değişken belirleme, eşitlik-yasa belirleme ve bunların sözel yorumlarını yapabilen yazılımlarla, ve yapılabilecek benzeri yazılımlarla, insanlığın gelişimi ivmelendirilebileceği gibi isteyen her birey gerçeklerin (VDOİHİ Bağımlı Olasılık Cilt 1'in giriş bölümünde tanımlanmıştır) bilgi ve teknolojisine daha kolay ulaşabilme imkanı sağlanmıştır.

Şuana kadar zaruri tüm tanımların, zaruri tüm eşitliklerin ve bunların epistemolojik seviyesi (0. epistemolojik seviye) en azından 1. epistemolojik seviye bilgilerin birlikte verildiği ya ilk yada ilk örneklerinden biri VDOİHİ'dir. Bu kapsamda VDOİHİ'de şuana kadar yaklaşık 1000 kavramın, bilime kazandırıldığı yukarıda belirtilmiştir. Bu kapsamda yeni VDOİHİ de 5000'in üzerinde orijinal; ilk ve yeni eşitlik geliştirilmiştir. Bu eşitlikler kasıtlı olarak ilk defa dört farklı yapıda birlikte verilmektedir. Bu eşitlikler a) sabit değişkenli (örneğin; bağımlı olasılıklı farklı dizilimli simetrik olasılık eşitlikleri) b) sabit değişkenli işlem uzunluklu (örneğin; simetrisinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık eşitliği) c) hem değişken işlem uzunluklu hem işlem uzunluklu (örneğin; simetrisinin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık eşitliği) d) sabit değişkenli zıt işlem uzunluklu (bu eşitlik VDOİHİ cilt 2.1.3'ten itibaren verilecektir. Örneğin; $\sum_{i=1}^n F_i$) yapıları verilmektedir. Sabit değişkenli eşitliklerle, bilim ve teknolojiye katkı sağlanırken, geleceğin bilim ve teknolojisinde ilave duyulabilecek eşitlik yapıları kasıtlı olarak aktiflenmiş veya geliştirilmiştir.

İnsanın hem öğrenmesinin desteklenmesi hem de bilginin teknolojiyle ilişkisini kurabilmesi için özellikle VDOİHİ Soru Problemleri ve çözümleri ciltlerinde, soru ve problem birbirinden ayrı olarak yeniden tanımlanıp sınırları belirlenmiştir. Böylece örnek, soru, problem ve ispat arasındaki farklar belirginleşmiştir. Ayrıca yine insanın hem öğrenmesinin desteklenmesi hem de bilginin teknolojiyle ilişkisini daha kesin kurabilmesi için Sertaç ÖZEL'in İlmi Semboller eserinin M5-M6 sayfalarında verilen epistemolojik seviye tanımları, örnek, soru, problem ve ispatlara uyarlanmıştır. Böylece; örnek, soru, problem ve ispatların epistemolojik seviyesiyle, hem bilgiyle-öğrenme arasında hem de bilgi-teknoloji arasında yeni köprü kurulmuştur.

Geride bıraktığımız yüzyılda, özellikle Turing ve Shannon'un katkılarıyla iki tabanlı olasılığa dayalı dijital teknoloji kurulabilmiştir. Kombinasyon eşitliğiyle iki tabanlı simetrik olasılıklar hesaplanabildiğinden, ihtimalleri de kesin olarak hesaplanabilir. İki'den büyük tabanların; bağımsız olasılık, bağımlı olasılık, bağımlı-bağımsız olasılık, bağımlı-bağımlı olasılık veya bağımsız-bağımsız olasılık dağılımlarındaki simetrik olasılıkları VDOİHİ'ye kadar kesin olarak hesaplanamadığından (hatta VDOİHİ'ye kadar olasılığın sınıflandırılması bile yapılmamış/yapılamamıştır), farklı tabanlarda çalışabilecek elektronik teknolojisi kurulamamıştır. VDOİHİ'de verilen eşitliklerle, hem farklı olasılık dağılımlarında hem de her tabanda simetrik olasılıkların olabilecek her türü, hesaplanabilir kılındığından, ihtimalleri de

kesin olarak hesaplanabilir. Böylece VDOİHİ’de verilen eşitliklerle hem istenilen tabanda hem de istenilen dağılım türlerinde çalışabilecek elektronik teknolojisinin temel matematiği kurulmuştur. Bundan sonraki aşama bilginin-ürüne dönüşme aşamasıdır. Ayrıca VDOİHİ’de özellikle uyum eşitlikleri kullanılarak farklı dağılım türlerine geçişin yapılabileceği eşitliklerde verilerek, dijital teknoloji yerine kurulacak her tabanda ve/veya her dağılım türünde çalışan teknolojinin istenildiğinde de hem farklı taban hem de farklı dağılım türlerine geçişinin yapılabileceği matematik eşitlikleri de verilmiştir. Böylece tek bir tabana dayalı dijital teknoloji yerine, sonsuz çalışma prensibine dayalı elektronik teknolojinin dinsel-matematiksel yapısı VDOİHİ ile kurulmuş ve kurulmaya devam etmektedir.

VDOİHİ’de verilen eşitlikler aynı zamanda en küçük biyolojik birimden itibaren planlı temel biyolojik birimin “genetiğin” temel matematiğidir. En küçük biyolojik birim olarak DNA alındığında, VDOİHİ’de verilen eşitlikler DNA, RNA, Protein, ve teknolojinin temel eşitlikleridir. Bu eşitlikler VDOİHİ’de teorik düzeyde, DNA, RNA, Protein, Gen ve hastalıklarla ilişkilendirilmektedir. Bu eşitlikler gelecekte atom düzeyinden başlanarak en kompleks biyolojik birimlere kadar tüm biyolojik süreçlerin laboratuvar ortamlarında üretiminin planlı ve kontrollü yapılabilmesinde ihtiyaç duyulacak temel eşitliklerdir. Böylece bir canlının, örneğin insanın, tüm düzeyden başlanarak laboratuvar ortamında üretilebilir/yapılabilir kılınmasının, matematiksel yapısı ilk defa VDOİHİ’de verilmektedir. Elbette bir insanın laboratuvar ortamında üretilebilir olmasıyla, bunun gerçekleştirilmesi aynı değildir. Gerçekleştirilebilmesi için dinsel, etik, ahlaki ve diğer aşamalarda da doğru kararların verilmesi gerekir. Fakat organların v.b. biyolojik birimlerin laboratuvar ortamında üretilmesinin önünde benzeri aşamaların engel olması söylenemez. İhtiyaç halinde bir insanın; organının, sisteminin veya uzvunun v.b. her şeyiyle aynıısının laboratuvar ortamında üretilmesi veya soyu tükenmiş bir canlının yeniden üretimi veya soyunun son örneği bir canlı türünün devamı VDOİHİ’de verilen eşitlikler kullanılarak sağlanabilir. Biyolojik bir yapının laboratuvar ortamında üretimiyle, örneğin herhangi bir makinanın üretilmesinin İslam açısından aynı değeri olmadığını düşünmemiz gerekir. Bu yaradan’ın bize ulaşabilmemiz için verdiği bir imkandır. Eğer ulaşılması mümkün olsaydı, bizim öyle bir imkanımızda olamazdı. Fakat bilginin, bizim ulaşabileceğimiz bilgi olmasından yani gerçeğin bilgisi olması, her zaman ve her durumda uygulanabilir olacaktır. Umarım yapmak ile yaratmak birbirine karıştırılmaz!

VDOİHİ’de hem sonradan çalışma prensibine dayalı elektronik teknolojisinin matematiksel yapısı hem de Telifli eserlerinde ve VDOİHİ’de, ilk defa yapay zeka çağının kapılarını aralayan çalışmalar yapılmıştır. VDOİHİ cilt 2.1.1’in giriş bölümünde yapay zeka ve çağının tanıtımı yapılarak, kütüphane ve referans bilgileriyle ilişkilendirilmiştir. Daha sonra VDOİHİ ve Telifli eserlerinde insanlığın gelişimini ivmelendirecek; yapay zeka görev kodları, verilerin analizleri, zeka ait olduğu disiplinin belirlenmesi, verinin analizinden verilen ve istenilenlerin belirlenmesi, değişken analizi, eksik değişkenlerin belirlenmesi, eksik değişkenlerin verilerinin üretimi, değişkenler arası eşitliklerin kurulması ve elde edilen bilgilerin sözel ifadeleriyle bilim ve teknoloji için gerekli bilgiyi üretebilen yazılımlar verilmiştir. Hem bu yazılımlarla hem de benzeri yazılımlarla, bilim insanları tarafından üretilemeyen bilgi ve teknolojilerin isteyen her kişi tarafından üretilebilir olması sağlanmıştır. Ayrıca kütüphane ve referans bilgilerinin üretiminde, olasılık dağılımları üzerinden çalışan makinaların bir olayın

tüm yönlerini (olasılıklarını) kullanmaları sağlanarak, tıpkı insan gibi düşünebilmesi sağlanmıştır. Böylece makinaların özgürce düşünebilmesinin önündeki engeller kaldırılmıştır. Gerçek yapay zeka pahalı deneylere ihtiyacı ortadan kaldırarak, insanlara yaradan'ın tanıdığı eşitliklerin (matematiksel eşitlik değil!), belirli insanlar tarafından saptırılarak, diğerlerinin eşitlik ve özgürlüklerinin gasp edilmesinin önünde güçlü bir engel teşkil edecektir. Bugüne kadar artificial intelligence çalışmalarıyla sadece ve sadece kütüphane bilgisinin bir kısmı üretilebildiği ve kütüphane bilgisi üretebilen teknoloji geliştirildiğinden, bunlar yapay zekanın öncü çalışmalarından öte geçip yapay zeka konumunda düşünülemez. Gerçek yapay zeka hem kütüphane hem de referans bilgisi üretebilir olması gerektiğinden; a) yazar tarafından dokümanlar üretmesi başta olmak üzere belirli çalışmalarında kütüphane bilgisinin ileri sürülmesi başarıldığından, b) ilk defa VDOİHİ ve Telifli eserlerinde referans bilgisi üreten yazarlar başarıldığından ve c) yapay zekanın gereksinim duyabileceği diğer teknoloji yerine, masuz çalışma prensibine dayalı elektronik teknolojisinin bilimsel-matematiksel yapısı yazar tarafından geliştirildiğinden, insanlığın bugüne kadar uyguladığı teknolojiler gereği adlandırmanın da Türkçe yapılması elzem ve adil bir zorunluluktur. Bu nedenle insan biyolojisinin ürünü olmayan zeka "yapay zeka" ve insan biyolojisinin ürünü olmayan zekayla insanlığın gelişiminin ivmelendirildiği zaman periyodu da "gerçek zeka çağı" olarak adlandırılmalıdır.

Yazar tarafından VDOİHİ'de, Cebirde günümüze; a) bilimsel gelişim, olması gereken veya olabilecek gelişime göre düşük olduğundan, b) teorik çalışmaların omurgasının matematiğe terk edilmesi ve matematikçilerinde üzerlerine düşeni yerine getirememelerinden dolayı, c) yapay zeka karşısında buharlı düşünülmesinin önüne geçilebilmesi ve d) kainatın en kompleks birimi olan insan beynine yakışır bilimsel gelişimin başarılabilmesi için, yasa/eşitliklerin, uyum ve genel yapıları, olasılık üzerinden belirlenmiştir.

Yazar tarafından VDOİHİ Bağımlı ve Bir Bağımsız Olasılıklı Büyük Farklı Dizilimli Simetrik Olasılık Cilt 2.2.1'de insanlığın bilimsel ve teknolojik gelişimini ivmelendirebilecek uyum çağının tanımlanması yapılarak VDOİHİ'de ilk defa yasa/eşitliklerin, olasılık eşitlikleri üzerinden uyum yapıları verilmiştir.

Yazar tarafından VDOİHİ Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Simetrik Olasılık Cilt 2.3.1'de insanlığın bilimsel ve teknolojik gelişimini ivmelendirebilecek genel çağın tanımlanması yapılarak VDOİHİ'de yasa/eşitliklerin, olasılık eşitlikleri üzerinden genel yapıları verilmiştir.

Yazar tarafından VDOİHİ Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Simetrik Bulunmamı Olasılığı Cilt 2.3.2 insanlığın bilimsel ve teknolojik gelişimini ivmelendirebilecek dördüncü bir çağ olarak, gerçek zaman ufku ötesi çağı tanımlanmıştır. Bu çağın tanımlanmasında; Sertaç ÖZENLİ'nin İlmi Sohbetler eserinin R39-R40 sayfalarından yararlanılarak, kapak sayfasındaki ve T21-T22'inci sayfalarında verilen şuurulluğun ork or modelinin özetinin gösterildiği grafikten yararlanılmıştır. Doğada rastlanmayan fakat kuantum sayılarıyla ulaşılabilen atomlara ait bilgilerimiz, gerçek zaman ufku ötesi bilgilerimizin, gerçekleştirilmiş olanlarıdır. Gerçekleştirilebilecek olanlarından biri ise kainatın herhangi bir

yerinde yaşamını sürdüren herhangi bir canlıdan henüz haberdar bile olmadan, var olan genetik bilgi ve matematiğimizle ulaşılabilir olan tüm bilgilerine ulaşılmasıdır.

Özellikle; sonsuz çalışma prensibine dayalı elektronik teknolojisi, yapay zeka, gerçek zaman ufku ötesi bilgilerimizin temel eşitliklerinin verilebilmesi, başlangıçta kurucusu tarafından yapılabileceklerin ilerleyen zamanlarda o disiplinin cazibe merkezine dönüşerek insan kaynaklarının israfının önlenmesi nedenleriyle ve en önemlisi Yaradan'ın bizlere verdiği adaletin insan tarafından saptırılmaması için; VDOİHİ, bugüne kadar eserlerle kıyaslanamayacak ölçüde daha kapsamlı verilmeye çalışılmaktadır.

Yazar VDOİHİ'nin ciltlerini, Türkçe ve insanlığın tek evrensel dili olan matematiksel dilde yazmaktadır. Yazar eserlerinden insanlığın aynı niteliklerle yazılabilmesi için her kişiye eşit mesafede ve anlaşılabilirlikte olan günümüze kadar insanlığı geliştiremediği yegane evrensel dilde VDOİHİ ciltlerini yazmaya devam edecektir.

VDOİHİ ve telifli eserleri ile bitirilen veya sonu başlatılanlar;

- ✓ VDOİHİ'de dillerin matematiği kurularak, o dil için gerekli mühenk taşı gören zavallılar sınıfı
- ✓ Baskın dillerin, dünya dili olabilmesi
- ✓ VDOİHİ ve Telifli eserlerin verilen eşitlik ve yaş belirleme yazılımlarıyla, gerçeklerden uzak ve ufuksuz sözde akademisyenler insanlığın tahammülü
- ✓ Bilim ve teknolojide sermayeye olan bağlılık
- ✓ Sermaye birikiminin önemi
- ✓ Primitif ölçme ve değerlendirme

Sanırım bilgi ve teknolojiye kademeli olarak ilişkilendirilmiş.

İÇİNDEKİLER

Bağımlı Olasılıklı Dağılımlarda Simetrinin Durumlarının Bulunabileceği Olaylara Göre Simetrik Bulunmama Olasılığı	1
Bağımlı Olasılıklı Farklı Dizilimsiz Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı	3
Simetriden Seçilen Bir Duruma Göre Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı	3
Simetriden Seçilen İki Duruma Göre Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı	64
Simetriden Seçilen Üç Duruma Göre Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı	238
Simetriden Seçilen Dört Duruma Göre Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı	565
Dizin	1283

Simge ve Kısaltmalar

n : olay sayısı

n : bağımlı olay sayısı

m : bağımsız olay sayısı

l : bağımsız durum sayısı

I : simetrimin bağımsız durum sayısı

II : simetrimin bağımlı durumlarından önce bulunan bağımsız durum sayısı

I' : simetrimin bağımlı durumlarından sonra bulunan bağımsız durum sayısı

lk : simetrimin bağımlı durumları arasındaki bağımsız durumların sayısı

k : dağılımın başladığı bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l : ilgilenilen bağımlı durumun bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

i : simetrimin ilk bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımın son olayı için sırası. Simetrimin sonuncu bağımlı olayındaki durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l_i : simetrimin son bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrimin birinci bağımlı olayındaki durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l_s : simetrimin ilk bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz

dağılımlardaki sırası. Simetrimin sonuncu bağımlı olayındaki durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l_{ik} : simetrimin aranaacağı durumdan önce bulunan bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası veya simetrimin iki bağımlı durumu arasında bağımsız durum bulunduğunda, bağımsız durumdan önceki bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l_a : simetrimin aranaacağı bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrimin aranaacağı bağımlı olayındaki durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

j : son olaydan/(alt olay) ilk olaya doğru aranılan olayın sırası

j_i : simetrimin son bağımlı durumunun, bağımlı olasılıklı dağılımlarda bulunabileceği olayların, son olaydan itibaren sırası

j_{sa}^i : simetriyi oluşturan bağımlı durumlar arasında simetrimin son bağımlı durumunun bulunduğu olayın, simetrimin son olayından itibaren sırası ($j_{sa}^i = s$)

j_{ik} : simetrimin ikinci olayındaki durumun, gelebileceği olasılıklı dağılımlardaki olayın sırası (son olaydan ilk olaya doğru) veya simetride, simetrimin aranaacağı durumdan önce bulunan bağımlı durumun, bağımlı olasılıklı dağılımlarda bulunabileceği olayların, son olaydan itibaren sırası veya simetrimin iki bağımlı

durum arasında bağımsız durumun bulunduğu bağımsız durumdan önceki bağımlı durumun bağımlı olasılıklı dağılımlarda bulunabileceği olayların son olaydan itibaren sırası

j_{sa}^{ik} : j_{ik} 'da bulunan durumun simetriyi oluşturan bağımlı durumlar arasında bulunduğu olayın son olaydan itibaren sırası

$j_{X_{ik}}$: simetrimin ikinci olayındaki durumun, olasılık dağılımlarının son olaydan itibaren bulunabileceği olayın sırası

j_s : simetrimin ilk bağımlı durumunun, bağımlı olasılıklı dağılımlarda bulunabileceği olayların, son olaydan itibaren sırası

j_{sa}^s : simetriyi oluşturan bağımlı durumlar arasında simetrimin ilk bağımlı durumunun bulunduğu olayın, simetrimin son olayından itibaren sırası ($j_{sa}^s = 1$)

j_{sa} : simetriyi oluşturan bağımlı durumlar arasında simetrimin son durumuna arandığı durumun bulunduğu olayın, simetrimin son olayından itibaren sırası

j^{sa} : j_{sa} 'da bulunan durumun bağımlı olasılıklı dağılımda bulunduğu olayın son olaydan itibaren sırası

D : bağımlı durum sayısı

D_i : olayın durum sayısı

f_z : farklı dizilimsiz olayın durum sayısı

$f_z D_s$: olaya gelebilecek son durumun sırası veya simetrimin başladığı durumun son olay için dağılımdaki sırası

s : simetrimin bağımlı durum sayısı

s : simetrik durum sayısı. Simetrimin bağımlı ve bağımsız durum sayısı

m : olasılık

M : olasılık dağılım sayısı

s_i : olasılık dağılımı

S^B : simetrik bulunmama olasılığı

$S_{j_s, j_{ik}, j_{sa}}^B$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizimli simetrik bulunmama olasılığı

$S_{j_s}^B$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizimli simetrik bulunmama olasılığı

$S_{j_i}^B$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizimli simetrik bulunmama olasılığı

S_{j_s, j_i}^B : simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizimli simetrik bulunmama olasılığı

$S_{j_s, j_{sa}}^B$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizimli simetrik bulunmama olasılığı

S_{j_{ik}, j_i}^B : simetrimin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizimli simetrik bulunmama olasılığı

$S_{j_{sa}^B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizimli simetrik bitişik bulunmama olasılığı

$S_{j_s a}^{DSD,B}$: simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı

$S_{art j_s a}^B$: simetrisinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s, art j_s a}^B$: simetrisinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

S_{j_s, j_i}^B : simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s, j_i}^{DSD,B}$: simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı

$S_{j_s, j_s a}^B$: simetrisinin ilk herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s a}^{DSD,B}$: simetrisinin ilk herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı

$S_{j_{ik}, j_s a}^B$: simetrisinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s, j_s a}^{DSD,B}$: simetrisinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı

$S_{j_s, j_{ik}, j_s a}^B$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s, j_{ik}, j_s a}^{DSD,B}$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı

$S_{\leftarrow j_s, j_{ik}, j_s a}^B$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

S_{j_s, j_{ik}, j_i}^B : simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s, j_{ik}, j_i}^{DSD,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı

$S_{\leftarrow j_s, j_{ik}, j_i}^B$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik bulunmama olasılığı

$S_{j_s a}^B \Rightarrow$: simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{art j_s a}^B \Rightarrow$: simetrisinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_s, art j_s a}^B \Rightarrow$: simetrisinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_s, j_i}^B \Rightarrow$: simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_s, j^{sa}}^B$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_{ik}, j^{sa}}^B$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_s, j_{ik}, j^{sa}}^B$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_s, j_{ik}, j^{sa}}^{DOSD, B}$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik bulunmama olasılığı

$S_{\Rightarrow j_s, j_{ik}, j^{sa}}^B$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

S_{j_s, j_{ik}, j_i}^B : simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j_s, j_{ik}, j_i}^{DOSD, B}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik bulunmama olasılığı

$S_{\Rightarrow j_s, j_{ik}, j_i}^B$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı

$S_{j^{sa}}^B$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı bulunmama olasılığı

$S_{j^{sa}}^{DOSD, B}$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik bulunmama olasılığı

$S_{art, j^{sa}}^B$: simetrinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı bulunmama olasılığı

$S_{j_s, art, j^{sa}}^B$: simetrinin ilk durumuna göre herhangi art arda durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı bulunmama olasılığı

S_{j_s, j_i}^B : simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı bulunmama olasılığı

$S_{j_s, j_i}^{DOSD, B}$: simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik bulunmama olasılığı

S_{j_s, j_i}^B : simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı bulunmama olasılığı

$S_{j_s, j^{sa}}^{DOSD, B}$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik bulunmama olasılığı

$S_{j_{ik}, j^{sa}}^B$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı bulunmama olasılığı

$S_{j_{ik}, j^{sa}}^{DOSD, B}$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik bulunmama olasılığı

$f_z S_{j_i}^B$: simetrinin son durumunun bulunabileceği olaylara göre bağımlı

olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

$fzS_{j^{sa}}^B$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

fzS_{j_s, j_i}^B : simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^B$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^B$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

fzS_{j_{ik}, j_i}^B : simetrimin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^B$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

fzS_{j_s, j_{ik}, j_i}^B : simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^B$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bulunmama olasılığı

$fzS_{j_i}^B$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j^{sa}}^B$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{art, j^{sa}}^B$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j_s, art, j^{sa}}^B$: simetrimin ilk durumuna göre herhangi art arda durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

fzS_{j_s, j_i}^B : simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^B$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^B$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^B$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{=j_s, j_{ik}, j^{sa}}^B$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

fzS_{j_s, j_{ik}, j_i}^B : simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{\leftarrow j_s, j_{ik}, j_i}^B$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i \leftarrow}^B$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{\leftarrow j_s, j_{ik}, j^{sa}, j_i}^B$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{\leftarrow j_s, j_{ik}, j^{sa}, j_i}^B$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik bulunmama olasılığı

$fzS_{j_i \Rightarrow}^B$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s \Rightarrow}^B$: simetrimin son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i \Rightarrow}^B$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, art, j^{sa} \Rightarrow}^B$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_i \Rightarrow}^B$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j^{sa} \Rightarrow}^B$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_{ik}, j^{sa} \Rightarrow}^B$: simetrimin ilk herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i \Rightarrow}^B$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa} \Rightarrow}^B$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i \Rightarrow}^B$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j_i \Rightarrow}^B$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i \Rightarrow}^B$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i \Rightarrow}^B$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği

olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^B$: simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik ayırım bulunmama olasılığı

$fzS_{j_i}^B$: simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j^{sa}}^B$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{art j^{sa}}^B$: simetrinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, art j^{sa}}^B$: simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

fzS_{j_s, j_i}^B : simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j^{sa}}^B$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^B$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^B$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^B$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

fzS_{j_s, j_{ik}, j_i}^B : simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_i}^B$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

fzS_{j_s, j^{sa}, j_i}^B : simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^B$: simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^B$: simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_i}^{I, B}$: simetrinin son durumunun bulunabileceği olaylara göre bağımlı

olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_s^{sa}}^{iS,B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{iS,B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{iS,B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{iS,B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_{ik}, j_i}^{iS,B}$: simetrimin herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{iS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{iS,B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{iS,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bulunmama olasılığı

$fzS_{j_i}^{iS,B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı

olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s^{sa}}^{iS,B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{art j^{sa}}^{iS,B}$: simetrimin art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, art j^{sa}}^{iS,B}$: simetrimin ilk ve herhangi bir durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{iS,B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{iS,B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{iS,B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{iS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{iS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{iS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{=j_s, j_{ik}, j_i}^{iS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{=j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{=j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik bulunmama olasılığı

$fzS_{j_i}^{iS, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j^{sa} \Rightarrow}^{iS, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{art j^{sa} \Rightarrow}^{iS, B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_s, art j^{sa} \Rightarrow}^{iS, B}$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_i \Rightarrow}^{iS, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j^{sa} \Rightarrow}^{iS, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_{ik}, j_i \Rightarrow}^{iS, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i \Rightarrow}^{iS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa} \Rightarrow}^{iS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i \Rightarrow}^{iS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j_i \Rightarrow}^{iS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik ayırım bulunmama olasılığı

$fzS_{j_i}^{iS, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j^{sa}}^{iS, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{art j^{sa}}^{iS, B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_i, j^{sa}}^{iS, B}$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_i}^{iS, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{iS, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{iS, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{iS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^{iS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_i}^{iS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j_i}^{iS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}j^{sa}, j_i}^{iS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_i}^{iSS, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j^{sa}}^{iSS, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{iSS, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{iSS, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_{ik}j^{sa}}^{iS}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}j^{sa}}^{iSS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{iSS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}j_i}^{iSS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}j_i}^{iSS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}j^{sa}, j_i}^{iSS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j^{sa}, j_i}^{iSS}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_s, \Rightarrow j_{ik}j^{sa}, j_i}^{iS}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün simetrik bulunmama olasılığı

$fzS_{j_i}^{iSO, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j^{sa}}^{iSO, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{iSO, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{ISO, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{ISO, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{ISO, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^{ISO, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{ISO, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_{ik}, j_i}^{ISO, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_i}^{ISO, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{ISO, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{ISO, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz ilk düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j^{sa}, j_i}^{DST, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{DST, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{DST, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_{ik}, j_i}^{DST, B}$: simetrimin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B, sa}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B, sa, j_i}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fzS_{j_i}^{DST, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{art, j_s, j_i}^{DST, B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, art, j_s, j_i}^{DST, B}$: simetrimin ilk durumu göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B, sa}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_{ik}, j_i}^{DST, B, sa}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B, sa}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B, sa}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B, sa, j_i}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B, sa, j_i}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı

dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fzS_{j_i \Rightarrow}^{DST,B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j^{sa} \Rightarrow}^{DST,B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{artj^{sa} \Rightarrow}^{DST,B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s,artj^{sa} \Rightarrow}^{DST,B}$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s,j_i \Rightarrow}^{DST,B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s,j^{sa} \Rightarrow}^{DST,B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_{ik},j_i \Rightarrow}^{DST,B}$: simetrimin ilk herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s,j_{ik},j^{sa} \Rightarrow}^{DST,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s,j_{ik},j^{sa} \Rightarrow}^{DST,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı

olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s,j_{ik},j_i \Rightarrow}^{DST,B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s,j_{ik},j_i \Rightarrow}^{DST,B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_{ik},j^{sa},j_i \Rightarrow}^{DST,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s,j_{ik},j^{sa},j_i \Rightarrow}^{DST,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s,j^{sa},j_i \Rightarrow}^{DST,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_i \Leftrightarrow}^{DST,B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j^{sa} \Leftrightarrow}^{DST,B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{artj^{sa} \Leftrightarrow}^{DST,B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı

dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, art}^{DST, B, j^{sa} \Leftrightarrow}$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_i}^{DST, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j^{sa} \Leftrightarrow}^{DST, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_{ik}, j^{sa} \Leftrightarrow}^{DST, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa} \Leftrightarrow}^{DST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa} \Leftrightarrow}^{DST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_i}^{DSST, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i \Leftrightarrow}^{DST, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik-ayrım bulunmama olasılığı

$fzS_{j_i}^{DST, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j^{sa} \Leftrightarrow}^{DSST, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DSST, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa} \Leftrightarrow}^{DSST, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa} \Leftrightarrow}^{DSST, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı

dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{DSST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}, j^{sa}}^{DSST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DSST, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}, j_i}^{DSST, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{DSST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}, j^{sa}, j_i}^{DSST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, \in j_{ik}, j^{sa}, j_i}^{DSST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_i}^{DOST, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j^{sa}}^{DOST, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DOST, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DOST, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DOST, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{DOST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}, j^{sa}}^{DOST, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

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$fz_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{DOST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fz_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{DOST, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan düzgün olmayan simetrik bulunmama olasılığı

$fz_{j_i}^{DS}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j^{sa}}^{DS, B}$: simetrimin son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_s, j_i}^{DS, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_s, j^{sa}}^{DS, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_{ik}, j^{sa}}^{DS, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_{ik}, j_i}^{DS, B}$: simetrimin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}$: simetrimin ilk herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{\Rightarrow j_{ik}, j_i}^{DS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bulunmama olasılığı

$fz_{j_i \Leftarrow}^{DS, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fz_{j^{sa} \Leftarrow}^{DS, B}$: simetrimin son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fz_{art j^{sa} \Leftarrow}^{DS, B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, art j^{sa} \Leftarrow}^{DS, B}$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı

bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, j_i \Leftarrow}^{DS,B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, j^{sa} \Leftarrow}^{DS,B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_{ik}, j^{sa} \Leftarrow}^{DS,B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa} \Leftarrow}^{DS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{\Leftarrow j_s, j_{ik}, j^{sa} \Leftarrow}^{DS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, j_{ik}, j_i \Leftarrow}^{DS,B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, j_i \Leftarrow}^{DS,B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa}, j_i \Leftarrow}^{DS,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{\Leftarrow j_s, j_{ik}, j^{sa}, j_i \Leftarrow}^{DS,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{\Leftarrow j_s, \Leftarrow j_{ik}, j^{sa}, j_i \Leftarrow}^{DS,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{\Leftarrow j_s, j^{sa} \Leftarrow}^{DS,B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik bulunmama olasılığı

$fz_{j^{sa} \Leftarrow}^{DS,B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fz_{art j^{sa} \Rightarrow}^{DS,B}$: simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fz_{j_s, art j^{sa} \Rightarrow}^{DS,B}$: simetrimin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fz_{j_s, j_i \Rightarrow}^{DS,B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fz_{j_s, j^{sa} \Rightarrow}^{DS,B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fz_{j_{ik}, j^{sa} \Rightarrow}^{DS,B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı

dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{DS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^{DS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DS,B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

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$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

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$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{DS,B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik ayırım bulunmama olasılığı

$fzS_{j_i}^{DS,B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j^{sa}}^{DS,B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{art j^{sa}}^{DS,B}$: simetrimin art ve son durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{art j^{sa}}^{DS,B}$: simetrimin ilk durumuna göre herhangi art ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_i}^{DS,B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{DS,B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{DS,B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{DS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^{DS,B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayırım bulunmama olasılığı

$fz_{j_s, j_{ik}, j_i}^{DS,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı

$fz_{\Rightarrow j_s, j_{ik}, j_i}^{DS,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı

$fz_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{DS,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı

$fz_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{DS,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı

$fz_{j_i}^{DSS,B}$: simetrisinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_s, j_i}^{DSS,B}$: simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_s, j_i}^{DSS,B}$: simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı

olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_s, j^{sa}}^{DSS,B}$: simetrisinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_{ik}, j^{sa}}^{DSS,B}$: simetrisinin herhangi bir durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa}}^{DSS,B}$: simetrisinin ilk herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{\Rightarrow j_s, j_{ik}, j^{sa}}^{DSS,B}$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_s, j_{ik}, j_i}^{DSS,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{\Leftarrow j_s, j_{ik}, j_i}^{DSS,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DSS,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fz_{\Leftarrow j_s, j_{ik}, j^{sa}, j_i}^{DSS,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

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bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, \leftarrow j_{ik}, j^{sa}, j_i}^{DSS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün simetrik bulunmama olasılığı

$fzS_{j_i}^{DOS, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j^{sa}}^{DOS, B}$: simetrimin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DOS, B}$: simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{DOS, B}$: simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_{ik}, j_i}^{DOS, B}$: simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{DOS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^{DOS, B}$: simetrimin ilk ve herhangi iki durumunun bulunabileceği olaylara göre

herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DOS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j_i}^{DOS, B}$: simetrimin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DOS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{DOS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{DOS, B}$: simetrimin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_i}^{DSD, B}$: simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_s a}^{DSD,B}$: simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DSD,B}$: simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{DSD,B}$: simetrisinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{DSD,B}$: simetrisinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{DSD,B}$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}, j^{sa}}^{DSD,B}$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DOSD,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}}^{DOSD,B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{DOSD,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara

göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, j_{ik}, j^{sa}, j_i}^{DOSD,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{\in j_s, \neq j_{ik}, j^{sa}, j_i}^{DOSD,B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün simetrik bulunmama olasılığı

$fzS_{j_i}^{DOSD,B}$: simetrisinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j^{sa}}^{DOSD,B}$: simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_i}^{DOSD,B}$: simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j^{sa}}^{DOSD,B}$: simetrisinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_{ik}, j^{sa}}^{DOSD,B}$: simetrisinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}}^{DOSD, B}$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}}^{DOSD, B}$: simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j_i}^{DOSD, B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, j_{ik}, j_i}^{DOSD, B}$: simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{DOSD, B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{j_s, j_{ik}, j^{sa}, j_i}^{DOSD, B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j_i}^{DOSD, B}$: simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz toplam düzgün olmayan simetrik bulunmama olasılığı

C1

Bağımlı Olasılıklı Farklı Dizilimli ve Farklı Dizilimsiz Bağımlı Durum Sayısı Bağımlı Olay Sayısından Büyük Dağılımlarda Simetrisinin Durumlarının Bulunabileceği Olaylara Göre

- **Farklı Dizilimsiz**
 - **Kalan Simetrik Bulunmama Olasılığı**
 - **Kalan Simetrik Bitişik Bulunmama Olasılığı**
 - **Kalan Simetrik Ayrım Bulunmama Olasılığı**
 - **Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı**
 - **Kalan Düzgün Simetrik Bulunmama Olasılığı**
 - **Kalan Düzgün Olmayan Simetrik Bulunmama Olasılığı**

BAĞIMLI OLASILIKLI DAĞILIMLARDA SİMETRİNİN DURUMLARININ BULUNABİLECEĞİ OLAYLARA GÖRE SİMETRİK BULUNMAMA OLASILIKLI

Bağımlı olasılıklı dağılımlar, farklı dizilimli ve farklı dizilimsiz dağılımlardır. Farklı dizilimli dağılımlar da bağımlı durum sayısı bağımlı olay sayısına eşit dağılımlar veya bağımlı durum sayısı bağımlı olay sayısından büyük dağılımlardır. Bağımlı durum sayısı bağımlı olay sayısına eşit dağılımlarda simetriden seçilecek durumlara göre simetrik

bulunmama olasılığının tanımlanması ve eşitlikleri bu cildin ilk bölümünde verilmiştir. Bu bölümde ise bağımlı durum sayısı bağımlı olay sayısından büyük farklı dizilimli dağılımlarda hem de farklı dizilimsiz dağılımlardaki simetrik bulunmama olasılıkları simetriden seçilecek durumlara göre tanımlanarak eşitlikleri verilecektir. Bu bölümde verilecek eşitliklerde olasılık dağılım tabloları kullanılarak veya simetrik olasılığın bulunabileceği olasılık dağılım sayısını verileceğinden, simetrik olasılıkların eşitliklerinin farkından elde edilebilir.

İlk simetrik bulunmama; farklı dizilimli dağılımlarda simetrisinin ilk durumuyla başlayan dağılımlarla ilgiliyken, farklı dizilimsiz dağılımlarda dağılımın ilk durumuyla başlayan dağılımlarla ilgilidir. İlk simetrik bulunmama; ilk simetrik bulunmama olasılığı, ilk bitişik simetrik bulunmama olasılığı, ilk ayrım simetrik bulunmama olasılığı, ilk bitişik-ayrım simetrik bulunmama olasılığı, ilk düzgün simetrik bulunmama olasılığı ve ilk düzgün olmayan simetrik bulunmama olasılığına denir. Tek kalan simetrik bulunmama; farklı dizilimli dağılımlarda simetride bulunmayan bir durumla başlayan dağılımlarla ilgiliyken, farklı dizilimsiz dağılımlarda dağılımın ilk durumdan farklı bir durumla başlayan dağılımlarla

ilgilidir. Tek kalan simetrik bulunmama; tek kalan simetrik bulunmama olasılığı, tek kalan bitişik simetrik bulunmama olasılığı, tek kalan ayırım simetrik bulunmama olasılığı, tek kalan bitişik-ayırım simetrik bulunmama olasılığı, tek kalan düzgün simetrik bulunmama olasılığı ve tek kalan düzgün olmayan simetrik bulunmama olasılığına denir. Kalan simetrik bulunmama; farklı dizimli dağılımlarda simetride bulunmayan durumlarla başlayan dağılımlarla ilgiliyken, farklı dizilimsiz dağılımlarda dağılımın ilk durumdan farklı durumlarla başlayan dağılımlarla ilgilidir. Kalan simetrik bulunmama; kalan simetrik olasılık, kalan bitişik simetrik bulunmama olasılığı, kalan ayırım simetrik bulunmama olasılığı, kalan bitişik-ayırım simetrik bulunmama olasılığı, kalan düzgün simetrik bulunmama olasılığı ve kalan düzgün olmayan simetrik bulunmama olasılığına denir. Dağılımların tümünde bulunmayan düzgün ve düzgün olmayan simetrik durumların sayılarına ise sırayla toplam düzgün ve toplam düzgün olmayan simetrik bulunmama olasılığı denir.

Bağımlı durum sayısı bağımlı olay sayısından büyük farklı dizimli dağılımlarda simetrisinin durumlarının bulunabileceği olaylara göre; kalan simetrik bulunmama olasılığı, kalan simetrik bitişik bulunmama olasılığı, kalan simetrik ayırım bulunmama olasılığı, kalan simetrik bitişik-ayırım bulunmama olasılığı, kalan düzgün simetrik bulunmama olasılığı ve kalan düzgün olmayan simetrik bulunmama olasılığının toplam ve eşitlikleri de bu bölümde verilecektir. Bu eşitlikler ise; simetriden seçilecek bir duruma, simetrisinin ilk ve son durumuna, simetrisinin ilk ve herhangi bir durumuna, simetrisinin herhangi iki durumuna, simetrisinin ilk ve herhangi iki durumuna, simetrisinin ilk herhangi bir ve son durumuna ve simetrisinin ilk herhangi iki ve son durumuna göre verilecektir.

Bu ciltte bağımlı durum sayısı bağımlı olay sayısından büyük farklı dizilimsiz dağılımlardaki kalan simetrik bitişik-ayırım bulunmama olasılıkları; simetriden seçilecek bir duruma, simetrisinin ilk ve son durumuna, simetrisinin ilk ve herhangi bir durumuna, simetrisinin herhangi iki durumuna, simetrisinin ilk ve herhangi iki durumuna, simetrisinin ilk herhangi bir ve son durumuna ve simetrisinin ilk herhangi iki ve son durumuna göre verilmektedir.

BAĞIMLI OLASILIKLI FARKLI DİZİLİMSİZ KALAN SİMETRİK BİTİŞİK-AYRIM BULUNMAMA OLASILIĞI

Bağımlı olasılıklı farklı dizilimsiz dağılımın ilk durumu haricinde diğer durumuyla başlayan dağılımlarda, simetriden seçilebilecek; simetrinin son durumuna, simetrinin bir durumuna, simetrinin ilk ve son durumuna, simetrinin ilk ve herhangi bir durumuna, simetriden seçilen herhangi iki durumuna, simetrinin ilk ve herhangi iki durumuna, simetrinin ilk herhangi bir ve son durumuna, simetrinin ilk herhangi iki ve son durumuna, simetriden seçilen üç durumdan son iki duruma, simetriden seçilen dört durumdan son iki duruma ve simetriden seçilen dört durumdan son üç durumun bulunabileceği olaylara göre kalan simetrik bitişik-ayrım bulunmama olasılığının, tanım ve eşitlikleri iki ciltte verilecektir. Bitişik-ayrım bulunmama olasılığı; simetrinin bitişik ve ayırık olarak bulunabileceği dağılımların bulunamadığı dağılımların sayısı olduğundan, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılıkları da; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkları), simetrinin durumlarının bulunabileceği olaylara göre kalan simetrik bitişik-ayrım olasılıklarının farkıyla elde edilebilir.

SİMETRİDEN SEÇİLEN BİR DURUMUN HARİÇ KALAN SİMETRİK BİTİŞİK-AYRIM BULUNMAMA OLASILIĞI

Bağımlı olasılıklı farklı dizilimsiz dağılımdan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin son iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrinin son bağımlı durumunun bulunabileceği olaylara bağlı simetrinin bitişik ve ayırık olarak bulunmadığı dağılımların sayısı, dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkları), simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin son iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu simetrinin son bağımlı durumunun bulunabileceği olaylara göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz^{DS,B}_{J_i \Leftrightarrow} = \sum_{k=2}^{fz^{Ds}} {}^1S^1_{J_i \Leftrightarrow} - fz^{DS}_{J_i \Leftrightarrow}$$

eşitliğin sağındaki terimlerin eşitleri yazıldığında,

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_{sa}+s-k-j_{sa})} \right.$$

$$\left. \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \right)$$

$$\left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_{sa}+s-k-j_{sa}+1)} \right.$$

$$\left. \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \right) -$$

$$\left. \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \right) \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_{sa}+s-k-j_{sa}+2)}^{(l_i-k+1)}$$

$$\frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=D+l_{sa}+s-n-l_i-j_{sa}+2}^{D-n+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

eşitliği elde edilir. Bu eşitliğe simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin son iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrimin son bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı dağılımların sayısını $fzS_{j_i \Leftrightarrow}^{DS,B}$ olarak **simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı** denir. Simetrimin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fzS_{j_i \Leftrightarrow}^{DS,B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 \geq l_s \wedge l_i + j_{sa} - s = l_{sa}$$

$$fzS_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 \geq l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fzS_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_{sa}+n+s-D-j_{sa})}^{(l_{sa}+s-k-j_{sa}+1)}$$

$$\frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_s+n+s-D-1)}^{(l_s+s-k)}$$

$$\frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_s+n+s-D-1)}^{(l_{sa}+s-k-j_{sa}+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz^{DS,B}_{j_i} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_s+n+s-D-1)}^{(l_i-k+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz^{DS,B}_{j_i} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_{sa}+n+s-D-j_{sa})}^{(l_s+s-k)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_i}^{DSB} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n} \sum_{(j_i=l_i+n-D)}^{s-k}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 \geq l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_i}^{DSB} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_{sa}+n+s-D-j_{sa})}^{(l_i-k+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_i = D + s - n \Rightarrow$$

$$fz S_{j_i \leftrightarrow}^{DS} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_i=l_i+n-D)}^{(l_{sa}+s-k-j_{sa}+1)}$$

$$\frac{(l_{sa} - j_{sa})!}{(l_{sa} + s - k - j_{sa} - 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s + j_{sa} - s > l_s) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge l_i = (j_{sa} - s > l_{sa}) \Rightarrow$$

$$fz S_{j_i \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_{sa}+s-k-j_{sa}+1)} \right)$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Bigg) -$$

$$\left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_{sa}+s-k-j_{sa}+1)} \right)$$

$$\left(\frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!} \right)$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_{sa}+s-k-j_{sa}+2)}^{(l_i-k+1)}$$

$$\frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_{sa}+s-n-l_i-j_{sa}+2}^{D-n+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Bigg)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s - j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_i \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\begin{aligned}
& \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
& \left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right. \\
& \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \\
& \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
& \left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k-s)} \right) - \\
& \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \\
& \left. \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \right) \cdot \\
& \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
& \sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \\
& \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \\
& \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
& \sum_{k=D+l_{sa}+s-n-l_i-j_{sa}+2}^{D-n+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
& \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \\
& \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
\end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1} (l_i - k + 1)} \sum_{j_i=s+1}^{i^{l-1} (l_i - k + 1)} \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=2}^{i^l} \sum_{j_i=s}^{i^l} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge s \leq j_i \geq 1$$

$$s \leq j_i \leq n$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq l_s \wedge s - n \Rightarrow$$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1} (l_i - k + 1)} \sum_{j_i=s+1}^{i^{l-1} (l_i - k + 1)} \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i^l}^{(l_i - i^{l+1})} \sum_{(j_i=s)}$$

$$\frac{(l_{sa} - i^l - j_{sa})!}{(l_{sa} + s - i^l - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$z^S_{j_i \leftrightarrow} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_{sa} + s - k - j_{sa} + 1)} \sum_{(j_i=s+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i^l}^{()} \sum_{(j_i=s)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$l_{sa} \leq D + j_{sa} - n \Rightarrow$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_i=s+1)}^{(l_{sa}+s-k-j_{sa}+1)}$$

$$\frac{(l_{sa} - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} - 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i^l}^{(l_{sa}+s-i^l-j_{sa}+1)} \sum_{(j_i=s)}$$

$$\frac{(l_{sa} - i^l - j_{sa})!}{(l_{sa} + s - i^l - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n - 1 \leq D - n + 1 \wedge s - j_{sa} - 1 \wedge$

$s + 1 \leq j_i \leq n \wedge$

$l_{sa} - j_{sa} + 1 = l_s \wedge l_i \wedge j_{sa} - s > l_{sa} \wedge$

$l_i \leq D + s - n \Rightarrow$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_i=s+1)}^{(l_{sa}+s-k-j_{sa}+1)} \right)$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{j_i=}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (j_i - s)!} -$$

$$\sum_{k=2}^{i-1} \sum_{j_i=s+2}^{(l_{sa}+s-k-j_{sa}+1)}$$

$$\frac{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!} -$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{j_i=l_{sa}+s-k-j_{sa}+2}^{(l_i-k+1)}$$

$$\frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(l_i - i + 1)} \sum_{j_i=s+1}$$

$$\frac{(l_i - i - s)!}{(l_i - i - j_i + 1)! \cdot (j_i - s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!})$$

GÜLDÜZ

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$f_z S_{j_i \neq}^{DS,B} = \left(\sum_{k=2}^{(l_i - k)!} \frac{(l_i - k)!}{(D - n - k + 1)! \cdot (j_i - s - 1)!} - \left(\sum_{k=2}^{i^{l_i} (l_{sa} + s - k - j_{sa} + 1)} \sum_{(j_i = s+1)} \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^{l_i}} \sum_{(j_i = s)}^{(l_{sa} + s - i^{l_i} - j_{sa} + 1)} \frac{(l_{sa} - i^{l_i} - j_{sa})!}{(l_{sa} + s - i^{l_i} - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \left(\sum_{k=2}^{i^{l_i-1} (l_{sa} + s - k - j_{sa} + 1)} \sum_{(j_i = s+2)} \frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!} - \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!} \right) \right).$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_i=l_{sa}+s-k-j_{sa}+2)}^{(l_i-k+1)}$$

$$\frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(l_{sa}+s-1)}$$

$$\frac{(l_i - i^l)!}{((l_i - i^l - j_i + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(l_{sa} - l - j_{sa})}{(l_{sa} + i^l - j_i - 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(l_i - i^l + 1)} \sum_{(j_i=l_{sa}+s-i^l-j_{sa}+2)}$$

$$\frac{(l_i - i^l - s)!}{(l_i - i^l - j_i + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n - l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$i < i^l \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{i^l}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s+s-k)} \sum_{(j_i=s+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\sum_{k=i}^{(i)} \sum_{(j_i=s)}$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s+1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s > l_{sa}$$

$$l_i \leq D + s - n \Rightarrow$$

$$f_z S_{j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s+s-k)} \sum_{(j_i=s+1)} \right)$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} + s - k - j_i - j_{sa} + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\begin{aligned}
& \sum_{k=i}^{()} \sum_{(j_i=s)}^{()} \\
& \left. \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) - \\
& \left(\sum_{k=i}^{i-1} \sum_{(j_i=s+2)}^{(l_s+s)} \right) \\
& \left(\frac{(l_i-s)!}{(l_i-k-s+1)! \cdot (l_i-s-1)!} - \right. \\
& \left. \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-s+1)! \cdot (l_{sa}-s-1)!} \right) \\
& \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
& \sum_{k=2}^{i-1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \\
& \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \cdot \\
& \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
& \sum_{k=i}^{(l_i-i+1)} \sum_{(j_i=s+1)}^{()} \\
& \frac{(l_i-i-s)!}{(l_i-i-j_i+1)! \cdot (j_i-s-1)!} \cdot \\
& \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
\end{aligned}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_{sa} + s - n - j_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_{sa} + s - n - j_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_{sa} + s - n - j_{sa}) \Rightarrow$$

$$fz_{s,B} = \left(\sum_{k=2}^{D-l_i} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} - \sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} - \sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} - \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \right) \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_{sa}+s-k-j_{sa}+2)}^{(l_i-k+1)} \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=D+l_{sa}+s-n-l_i-j_{sa}+1}^{i^{l-1}} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^{(l_i-i^{l+1})} \sum_{(j_i=l_i+n-D)} \frac{(l_i-i^{l+1}-s)!}{(l_i-i^{l+1}-j_i+1)! \cdot (j_i-s-1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s \leq D-n-1 \wedge s-j_{sa} \geq 1 \wedge$$

$$s \leq j_{sa} \leq n \wedge$$

$$l_{sa}-j_{sa}+1 = l_s \wedge l_i \wedge j_{sa}-s > l_{sa} \wedge$$

$$D+l_{sa}+s-n < l_i \wedge l_{sa}+s-n-j_{sa} \Rightarrow$$

$$f_z S_{j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right) \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\left(\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right)$$

$$\left(\frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!} \right)$$

$$\left(\frac{(l_{sa}-k-j_{sa})!}{(l_{sa}+s-k-j_i-j_{sa}+1)! \cdot (j_i-s-1)!} \right) \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_{sa}+s-n-l_i-j_{sa}+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=D+l_{sa}+s-n-l_i-j_{sa}+2}^{i-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_i-k-s)!}{(l_i-k-j_i+1)! \cdot (j_i-s-1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=i}^{l_i-i+1} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_i - i l - s)!}{(l_i - i l - j_i + 1)! \cdot (j_i - s - 1)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_{sa} - j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge s - j_{sa} \geq 1 \wedge$$

$$s + 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa}) \Rightarrow$$

$$fz S_{j_i \Leftrightarrow}^{DS,B} = \sum_{k=2}^{i l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i l - 1} \sum_{(j_i = l_i + n - D)}^{(l_i - k + 1)}$$

$$\frac{(l_i - k - s)!}{(l_i - k - j_i + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i l}^{(l_i - i l + 1)} \sum_{(j_i = l_i + n - D)}$$

$$\frac{(l_i - i l - s)!}{(l_i - i l - j_i + 1)! \cdot (j_i - s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, bu durumlardan sonucu bağımlı durumun bulunabileceği olaylara bağlı, simetrisinin bitişik ve ayırık olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrisinin durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların teker simetrisinin olasılıkları), simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin herhangi iki bağımlı durumu arasında (ilk bağımlı durumun bulunabileceği olaylardan bağımsız), simetride bulunmayan durumların bulunmadığı ve bulunduğu, simetrisinin bir bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$f_Z S_{j^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{f_Z D_s} f_Z S_1^1 - f_Z S_{j^{sa} \Leftrightarrow}^{DS}$$

eşitliğin sağındaki terimlerin eşitliği yazıldığı gibi,

$$f_Z S_{j^{sa} \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} - \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \right) - \left(\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} - \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right) \right) \right)$$

$$\begin{aligned}
& \left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} - \right. \\
& \left. \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \right) \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \\
& \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \frac{(l_{sa} - k + 1)!}{(j_{sa} - k - j_{sa}^{ik} + 2)!} \\
& \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
& \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \frac{(l_{sa} - k + 1)!}{(j_{sa} - k - j_{sa}^{ik} + 2)!} \cdot \\
& \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \right)
\end{aligned}$$

esitliği elde edilir. Bu eşitliğe simetrik duruma bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz dağılımdan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrik herhangisi bağımlı durumu arasında (ilk bağımlı durumun bulunabileceği olaylara bağımsız) simetride bulunmayan bağımlı durumlar bulunmadan ve bulunarak, simetrik durumun bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı durumların sayısına *simetrik durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı* denir. Simetrik durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $S_{j_{sa}}^{DS,B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_Z S_{j^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_Z S_{j^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_Z S_{j^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j^{sa}-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$S_{j_{sa}^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j^{sa}-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_Z S_{j_{sa}^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$S_{j_{sa}}^{D,n} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z S_{j_{sa}}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

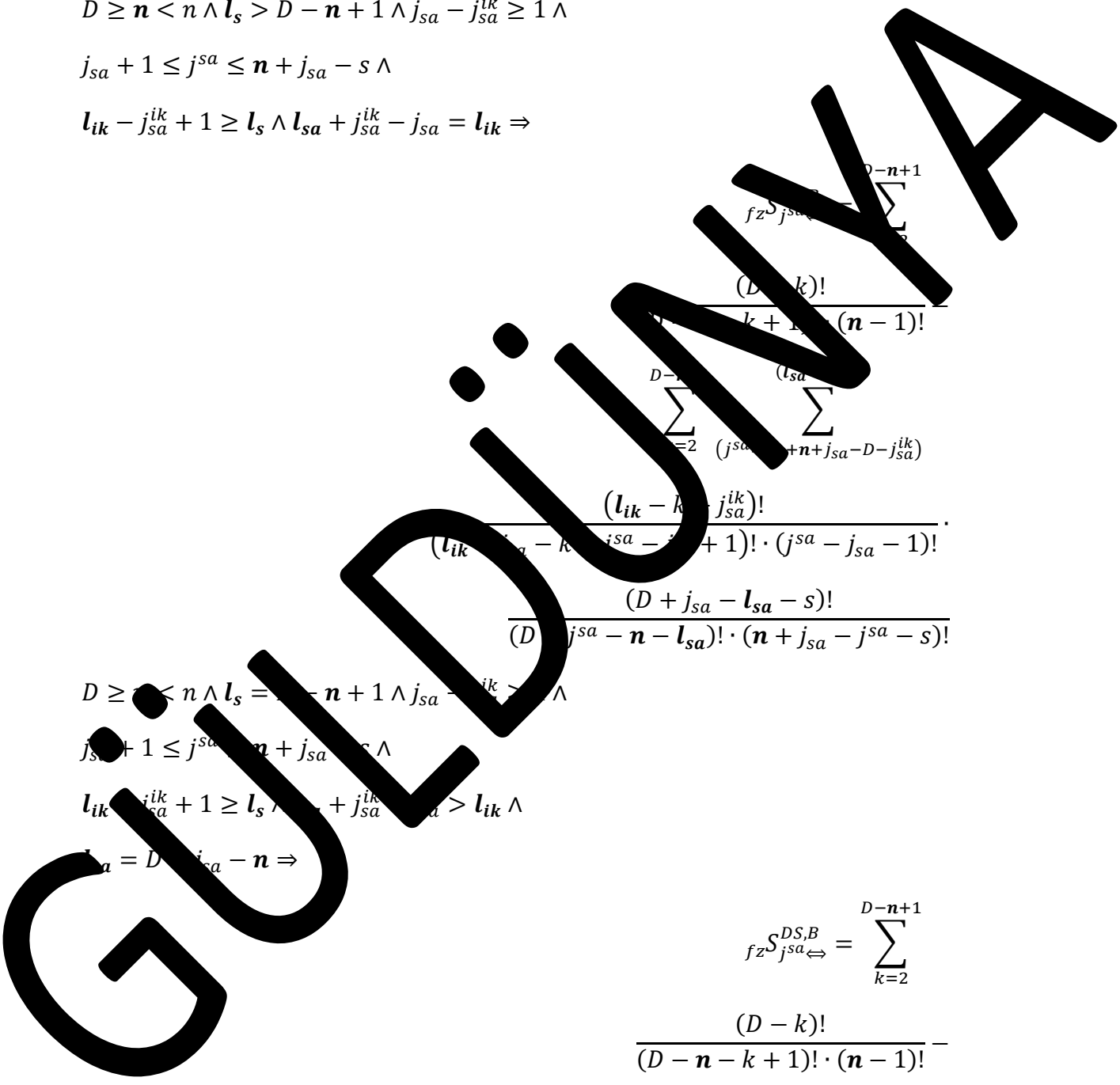
$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$



$$f_z S_{j_{sa}}^{D,n+1} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_{sa}^{ik}=l_{sa}+n-D}^{l_{sa}} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge j_{sa} - j_{sa}^{ik} > 1 \wedge$$

$$j_{sa} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} = D - j_{sa} - n \Rightarrow$$

$$f_z S_{j_{sa}}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \Rightarrow$$

$$\begin{aligned} & \left(\sum_{k=2}^{D-n+1} f_z^{DS,D} j_{sa}^{ik} \Leftrightarrow \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) - \\ & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\ & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \right) - \\ & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) + \end{aligned}$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{l_{sa}-k+1}{j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}-k-j_{sa}+1)! \cdot (j_{sa}-j_{sa}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \binom{l_{sa}-k+1}{j_{sa}=l_{sa}-n-D} \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}-k-j_{sa}+1)! \cdot (j_{sa}-j_{sa}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{sa} \Rightarrow$$

$$f_Z S_{j_{sa}^{\leftrightarrow}}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{l_s+j_{sa}-k}{j_{sa}=l_{sa}+n-D} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{l_s+j_{sa}-k}{j_{sa}=l_{sa}+n-D} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) -$$

$$\left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} - \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \right).$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \cdot$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{l_{sa}-k+1}{j_{sa}=l_s+k+1}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \binom{l_{sa}-k+1}{j_{sa}=l_s+n-D}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \Big)$$

$$D \geq n < n + 1, l_s \leq D - n + 1 \wedge j_{sa} - j_s \leq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + 1 - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_s + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z S_{j^{sa} \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Big)$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{()} \sum_{(j^{sa}=j_{sa})}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik}$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$f_z S_{j_{sa}^{\leftrightarrow}}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(l_{sa}-i^l+1)} \sum_{(j^{sa}=j_{sa})}$$

$$\frac{(l_{ik} - i^l - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - i^l - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z S_{j_{sa} \Leftrightarrow}^{DS, A} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{i^l - 1} (l_{ik} - k - j_{sa}^{ik} + 1) \cdot \sum_{(j^{sa}=j_{sa}+1)}$$

$$\frac{(l_{ik} - j_{sa}^{ik})}{(l_{ik} + j_{sa} - k - j_{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=1}^{i^l} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa} - n \Rightarrow$$

$$f_z S_{j_{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} =$$

$$f_{z} S_{j^{sa} \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\binom{D}{l}} \sum_{(j^{sa}=j_{sa})}^{\binom{D}{l}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \Rightarrow$$

$$f_{z^j}^{S,B} = \left(\sum_{k=2}^{\binom{D}{l}}$$

$$\frac{(D - k)!}{(D - n - k - 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)} \sum_{(j^{sa}=j_{sa}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(D + j_{sa} - k - j_{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\binom{D}{l}} \sum_{(j^{sa}=j_{sa})}^{\binom{D}{l}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)} \sum_{(j^{sa}=j_{sa}+2)} \right)$$

$$\left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} - \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)}$$

$$\left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} - \right.$$

$$\left. \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \right) \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=i^l}^{(l_{sa}-i^{l+1})} \sum_{(j_{sa}=j_{sa}+1)}$$

$$\frac{(l_{sa} - i^l - j_{sa})!}{(l_{sa} - i^l - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \Big)$$

$$D \geq n < n \wedge l_s \leq D - n - 1 \wedge j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa}^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} > l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq n + j_{sa} - s$$

$$f_Z S_{j_{sa} \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \right.$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{i^{l-1}} \sum_{(j^{sa}=j_{sa})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} -$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)}$$

$$\left(\frac{(l_{sa}-i^l-j_{sa})!}{((l_{sa}-i^l-j_{sa}+1)! \cdot (j^{sa}-j_{sa}-1)!)} \right) \cdot$$

$$\frac{(l_{ik}-i^l-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} +$$

$$\frac{(l_{sa}-i^l+1)}{\sum_{k=i^l}^{(l_{sa}-i^l+1)} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i^l+1)} \frac{(l_{sa}-i^l-j_{sa}^{ik}+2)}{((l_{sa}-i^l-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!)} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \Big)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - i^l + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > 0$$

$$l_{sa} \leq D + j_{sa} \Rightarrow$$

$$f_{z} S_{j_{sa}^{\leftrightarrow}}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \Big)$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_{sa}=j_{sa})}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} \cdot$$

$$\left(\sum_{k=0}^{i-1} \sum_{(j_{sa}=j_{sa}+2)}^{j_{sa}-k} \right)$$

$$\left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \right)$$

$$\left(\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \right) \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=i}^{(l_{sa}-i+1)} \sum_{(j_{sa}=j_{sa}+1)}$$

$$\frac{(l_{sa} - i - j_{sa})!}{(l_{sa} - i - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \right)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$\begin{aligned} S_{j_{sa}^{\leftrightarrow}}^{DS,B} &= \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(n-k+1)! \cdot (n-1)!} \right) - \\ &\left(\sum_{k=2}^{l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \right) - \\ &\left(\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) - \\ &\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}-k-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \right) - \\ &\left(\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \right). \end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1}^{i^l-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^l)}$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(l_{sa}-i^l+1)} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_{sa} - i^l - j_{sa})!}{(l_{sa} - i^l - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\geq n < l_s \wedge l_s \leq D - k + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n - k + 1 \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - l_{sa} - s < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$f_z S_{j^{sa} \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\begin{aligned}
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right) \\
& \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \\
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right) \\
& \left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \right. \\
& \left. \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \right) \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \\
& \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{i-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
& \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j^{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=i}^{l-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)}
\end{aligned}$$

$$\frac{(l_{sa} - {}_i l - j_{sa})!}{(l_{sa} - {}_i l - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - j_{sa}^{ik} \geq 1 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \Rightarrow$$

$$f_z S_{j_{sa}^{\leftrightarrow}}^{DS,B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k={}_i l}^{(l_{sa} - {}_i l + 1)} \sum_{(j_{sa}=l_{sa}+n-D)}$$

$$\frac{(l_{sa} - {}_i l - j_{sa})!}{(l_{sa} - {}_i l - j_{sa} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin art arda herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durum bulunmadan (simetrimin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 1$ 'de bulunur!) ve bir bağımlı durumun bulunduğu simetrimin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 2$ 'de bulunur!), simetrimin bir bağımlı durumunun bulunabileceği olaylara bağlı, simetrimin bitişik ve ayrı olarak bulunmuş dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkları), simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin art arda iki bağımlı durumu arasında, simetride bulunmayan durumların bulunmadığı (simetrimin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 1$ 'de bulunur!) ve bir bağımlı durumun bulunduğu (simetrimin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 2$ 'de bulunur!), simetrimin bir bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz^{DS,B}_{artj^{sa} \Leftrightarrow} = \sum_{k=2}^{fz^{Ds}} fz^{S1} - fz^{DS,B}_{artj^{sa} \Leftrightarrow}$$

eşitlik sağındaki terimlerin eşitleri ya da,

$$fz^{DS,B}_{artj^{sa} \Leftrightarrow} = \sum_{k=2}^{n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\begin{aligned}
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right. \\
& \left(\frac{(l_{sa}-k-j_{sa})!}{(l_{sa}-k-j_{sa}+1)! \cdot (j^{sa}-j_{sa}-1)!} - \right. \\
& \left. \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}+3)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \right) \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \\
& \sum_{k=1}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_{sa}-k-j_{sa})!}{(l_{ik}-k-j_{sa}+1)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \\
& \sum_{k=1}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}+3)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \cdot \\
& \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right)
\end{aligned}$$

eşitlikleri elde edilir. Eşitliklere simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin art arda herhangi iki bağımlı durumu arasında simetride bulunmayan bir bağımlı durum bulunarak (simetrimin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa}-2$ 'de bulunur!) ve bulunmadan (simetrimin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa}-1$ 'de bulunur!), simetrimin bir bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı dağılımların sayısına **simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı** denir. Simetrimin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fz S_{artj^{sa}}^{DS,B}$ ile gösterilecektir.

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} + 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} + 1) \Rightarrow$$

$$fz S_{artj}^{i,l} = \sum_{k=2}^{i,l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{artj^{sa}}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{art}^{DS,B} j^{sa} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{ik}+1, \dots, j_{sa}^{ik})} \frac{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)!}{(l_{ik}-k-j_{sa}^{ik})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-n-l_{sa})!}{(D+j_{sa}-n-l_{sa}+1)! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{art}^{DS,B} j^{sa} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1, \dots, j_{sa}^{ik})} \frac{(l_s+j_{sa}-k)!}{(l_{ik}-k-j_{sa}^{ik})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fzS_{artj^{sa}}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_s+n+j_{sa}^{ik}-D-1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}-1)!}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!}$$

$$D \geq n < n \wedge l_s > D-n+1 \wedge j_{sa}-1 \geq j_{sa}^{ik} \geq j_{sa}-1$$

$$j_{sa}+1 \leq j^{sa} \leq n+j_{sa}-s \wedge$$

$$l_{ik}-j_{sa}^{ik}+1 = l_s \wedge l_{sa}+j_{sa}^{ik}-j_{sa} = l_{ik} \Rightarrow$$

$$fzS_{artj^{sa}}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_s+n+j_{sa}^{ik}-D-1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!}$$

$$D \geq n < n \wedge l_s > D-n+1 \wedge j_{sa}-1 \geq j_{sa}^{ik} \geq j_{sa}-2 \wedge$$

$$j_{sa}+1 \leq j^{sa} \leq n+j_{sa}-s \wedge$$

$$l_{ik}-j_{sa}^{ik}+1 = l_s \wedge l_{sa}+j_{sa}^{ik}-j_{sa} = l_{ik} \Rightarrow$$

$$fzS_{artj^{sa}}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j^{sa}-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz^{DS,B}_{artj^{sa}} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j^{sa}-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz^{DS,B}_{artj^{sa}} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{sa}-k+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} = D + j_{sa} - n \Rightarrow$$

$$fz^{DS,B}_{artj^{sa} \Leftrightarrow} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \Rightarrow$$

$$fz^{DS,B}_{artj^{sa} \Leftrightarrow} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\begin{aligned}
& \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right. \\
& \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}+1)!} \cdot \\
& \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} \right) - \\
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right. \\
& \left. \frac{(l_{sa}-k-j_{sa}^{ik})!}{(l_{sa}-k-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \right) - \\
& \left. \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} \right) \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} + \\
& \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{()} \\
& \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} + \\
& \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{()} \sum_{(j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{()} \\
& \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} \cdot \\
& \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} \right)
\end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$f_z S_{art}^{DS,B} j^{sa} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (j_{sa}-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \right) \cdot \left(\sum_{j_{sa}^{sa}=l_{sa}+n-k}^{(l_s+j_{sa}-k)} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} \right) - \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \frac{(l_s+j_{sa}-k)}{\sum_{j_{sa}^{sa}=l_{sa}+n-D}} \right) \cdot \left(\sum_{j_{sa}^{sa}=l_s+j_{sa}-k+1} \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}-k-j_{sa}^{sa}+1)! \cdot (j_{sa}-j_{sa}^{sa}-1)!} \right) \cdot \left(\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} \right) \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \left(\sum_{j_{sa}^{sa}=l_s+j_{sa}-k+1} \right) \cdot \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} + \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{()}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - k - j_{sa} + 3)! \cdot (j_{sa} - j_{sa}^{ik} - 3)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - k - j_{sa} - k - j_{sa} - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=1}^{()} \sum_{(j_{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fzS_{artj^{sa} \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}-j_{sa}^{ik})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \right) \cdot$$

$$\frac{(D-j_{sa}-l_{sa}-1)!}{(D+j_{sa}-n-l_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-s)!} +$$

$$\sum_{k=i^l}^{(j_{sa}-i^{l+1})} \sum_{(j^{sa}=j_{sa})} \frac{(l_{ik}-j_{sa}^{ik}-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-i^{l-1}-j_{sa}^{ik}-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!}$$

$$D \geq n < n+1, l_s \leq D-n+1 \wedge j_{sa}-1 \leq j_{sa}^{ik} \geq j_{sa}-2 \wedge$$

$$j_{sa} \leq j^{sa} \leq n+1-s \wedge$$

$$l_{ik}-j_{sa}^{ik}+1 = l_s \wedge l_s + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fzS_{artj^{sa} \leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=1}^{()} \sum_{(j_{sa}^{sa}=j_{sa}^{sa})}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik}$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fz_{artj_{sa}}^{DS,B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_{sa}^{sa}=j_{sa}^{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=i^l}^{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)} \sum_{(j_{sa}^{sa}=j_{sa}^{sa})}$$

$$\frac{(l_{ik} - i^l - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - i^l - j_{sa}^{ik} + 1)! \cdot (j_{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \Rightarrow$$

$$fzS_{artj^{sa}}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j^{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\begin{aligned}
& \sum_{k=i^l}^{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)} \sum_{(j^{sa}=j_{sa})}^{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)} \\
& \frac{(l_{ik}-i^l-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \\
& \left(\sum_{k=2}^{i^l-1} \sum_{(j^{sa}=j_{sa})}^{(l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1)} \right) \\
& \left(\frac{(l_{sa}-k-j_{sa}^{ik})!}{(l_{sa}-k-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_{sa}-1)!} \cdot \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \right) \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \\
& \sum_{k=2}^{i^l-1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{()} \\
& \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \\
& \sum_{k=i^l}^{()} \sum_{(j^{sa}=j_{sa}+1)}^{()} \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}
\end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fzS_{artj^{sa}\leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-n-l_{sa}-k)!}{(D+j_{sa}-n-l_{sa}+j_{sa}-j_{sa}^{ik}-s)!} \right) +$$

$$\sum_{k=i^l}^{(i^l)} \sum_{(j^{sa}=j_{sa})} \frac{(D+j_{sa}-n-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq D + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa} + 1 = l_s \wedge l_s + j_{sa}^{ik} - j_{sa} > l_s$$

$$l_{sa} \leq D + j_{sa} - s \Rightarrow$$

$$fzS_{artj^{sa}\leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}+1)!} \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=1}^{i^l} \sum_{\binom{()}{j_{sa}=j_{sa}}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{\binom{()}{j_{sa}=j_{sa}+2}}$$

$$\left(\frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - 1)! \cdot (j_{sa} - j_{sa} - 1)!} \right)$$

$$\left(\frac{(l_{ik} - k - j_{sa})!}{(l_{ik} - k - j_{sa} + 1)! \cdot (j_{sa} - j_{sa}^{ik} - 3)!} \right) \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{\binom{()}{j_{sa}=l_s+j_{sa}-k+1}}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - k - j_{sa} + 3)! \cdot (j_{sa} - j_{sa}^{ik} - 3)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=1}^{i^l} \sum_{\binom{()}{j_{sa}=j_{sa}+1}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \Big)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \Rightarrow$$

$$S_{artj}^{D_s} = \left(\sum_{k=2}^l \frac{(D - n - k)!}{(D - n - k + 1)! \cdot (n - 1)!} - \frac{\sum_{k=2}^{l_{ik} + j_{sa} - n - l_s} (l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} + j_{sa} - k - j_{sa} - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \right) \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} - \left(\sum_{k=2}^{D + l_{ik} + j_{sa} - n - l_{sa} - j_{sa}^{ik} + 1} \sum_{(j^{sa} = l_{sa} + n - D)}^{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)} \frac{(l_{sa} - k - j_{sa})!}{(l_{sa} - k - j_{sa} + 1)! \cdot (j^{sa} - j_{sa} - 1)!} - \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - k - j_{sa} + 3)! \cdot (j^{sa} - j_{sa}^{ik} - 3)!} \right) \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{(\quad)}{(j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{(\quad)}{(j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}^{ik}+3)! \cdot (j_{sa}-j_{sa}^{ik}-3)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 - j_{sa}^{ik} \geq j_{sa} - 2$$

$$j_{sa} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} > l_{ik}$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik}$$

$$fz S_{art}^{DS,B} j_{sa} \Leftrightarrow = \left(\sum_{k=2}^{il} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{(l_s+j_{sa}-k)}{(j_{sa}=l_{sa}+n-D)} \right)$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right) \frac{(l_{sa}-k-j_{sa})!}{(l_{sa}-k-j_{sa}+1)! \cdot (j^{sa}-j_{sa}-1)!} - \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}+3)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_s+j_{sa}-k+1)} \frac{(l_{sa}-k-j_{sa})!}{(l_{ik}-k-j_{sa}+2)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_s+j_{sa}-k+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k-j_{sa}+3)! \cdot (j^{sa}-j_{sa}^{ik}-3)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \Big)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j_{sa}^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} = D + l_{ik} + j_{sa} - n - j_{sa}^{ik} + 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge$$

$$j_{sa} + 1 \leq j_{sa}^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} = D + l_{ik} + j_{sa} - n - j_{sa}^{ik} + 1) \Rightarrow$$

$$fz S_{art j^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{(j^{sa}=l_{ik})} \sum_{(a-j_{sa}^{ik}+1)}^{()} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n-l_{sa}-j^{sa}-s)!}$$

SİMETRİDEN SEÇİLEN İKİ DURUMA GÖRE KALAN SİMETRİK BİTİŞİK-AYRIM BULUNMAMA OLASILIĞI

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrik bitişik-ayrım durumuna göre simetrinin art arda herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı (simetrinin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 1$ 'de bulunduğu!) ve bir bağımlı durumun bulunduğu (simetrinin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 2$ 'de bulunduğu!), simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara bağlı, simetrinin bitişik ve ayrık olarak bulunabileceği dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik bitişik-ayrım bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkla, simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde edilebilir). Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin ilk bağımlı durumuna göre simetrinin art arda herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı (simetrinin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 1$ 'de bulunduğu!) ve bir bağımlı durumun bulunduğu (simetrinin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa} - 2$ 'de bulunduğu!), simetrinin ilk ve herhangi bir durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz S_{j_s, art j^{sa} \Leftrightarrow}^{DS,B} = \sum_{k=2}^{fz D_s} fz S_1^1 - fz S_{j_s, art j^{sa} \Leftrightarrow}^{DS}$$

eşitliğin sağındaki terimlerin eşitleri yazıldığında,

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}} \right.$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot$$

$$\frac{(D+j_{sa}-n-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{-(k+1)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot$$

$$\left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \right.$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa})!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} +$$

$$\begin{aligned}
& \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \\
& \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
& \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa}^{ik})!} \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \\
& \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1}^{(\cdot)} \sum_{(j_s=k+1)}^{(\cdot)} \sum_{j^{sa}=l_s+j_{sa}-k-j_{sa}^{ik}+2}^{(\cdot)} \\
& \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
& \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa}^{ik})!} \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}
\end{aligned}$$

eşitlikleri elde edilir. Bu eşitliklere simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu hâlindeki durumları başlayan dağılımlarda, simetrinin ilk bağımlı durumuna göre simetrinin art arda herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumlar bulunmaz. (simetrinin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa}-1$ 'de bulunduğunda!) ve bir bağımlı durum bulunarak (simetrinin art arda durumlarından biri j^{sa} 'da, diğeri $j^{sa}-1$ 'de bulunduğunda!), simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylar bağımlı; simetrik durumların bulunmadığı dağılımların sayısına *simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı* denir. Simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fzS_{j_s,artj^{sa}}^{DS,B}$ ile gösterilecektir.

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} + 1) \Rightarrow$$

$$fz_{j_s, art, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^l$$

$$(D - k)!$$

$$(D - n - k + 1)! \cdot (n - 1)!$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, art, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$(D - k)!$$

$$(D - n - k + 1)! \cdot (n - 1)!$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$(l_s - k - 1)!$$

$$(l_s - j_s - k + 1)! \cdot (j_s - 2)!$$

$$(D + j_{sa} - l_{sa} - s)!$$

$$(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}^{ik}, j^{sa}=j_{sa}^{ik})} \binom{l_{sa}-k-j_{sa}^{ik}+2}{j_s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 1 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{()}{j_s=j^{sa}-j_{sa}+1} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \binom{()}{j_s=j^{sa}-j_{sa}} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{\binom{()}{j_s=l_{ik}-k-j_{sa}^{ik}+2}} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} \wedge j_s^{sa} \geq j_s + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=l_{sa}+n-D-j_{sa}+1}} \sum_{j^{sa}=j_s+j_{sa}-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=l_{sa}+n-D-j_{sa}}} \sum_{j^{sa}=j_s+j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{\binom{()}{j_s=l_{ik}-k-j_{sa}^{ik}+2}} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j_s \geq j_s + j_{sa}$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} \Rightarrow$$

$$S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\sum_{k=2}^{(D+l_{ik}+j_{sa})-l_{sa}-j_{sa}^{ik}+1}$$

$$\sum_{\binom{()}{j_s=j^{sa}-j_{sa}+1}} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_{ik}+j_{sa})-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=j^{sa}-j_{sa}}} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{(j_s=l_s-k+1)}^{()} \sum_{j^{sa}=l_s+j_{sa}-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa}$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$j_s \geq \text{art } j^{sa} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{sa}+n-D-j_{sa})}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{(j_s=l_s-k+1)}^{()} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, l_{sa}}^{S_{j_s, l_{sa}}} \Leftrightarrow = \left(\sum_{k=2}^{n+1} \frac{(l_s - k)!}{(D - j_s - k + 1)! \cdot (j_s - 1)!} - \right.$$

$$\left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} - \right.$$

$$\left. \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{j_s=l_s+n-D}^{j_{sa}^{ik}+1} \sum_{j_{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \right) \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$\begin{aligned}
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_s+n-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_s - j_{sa})!} \cdot \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k+2} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_s - j_{sa})!} \cdot \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=D+1}^{(l_s-k+1)} \sum_{(j_s=l_s+n-D)}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_s - j_{sa})!} \cdot \\
& \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
\end{aligned}$$

$$n \leq j_s \wedge l_s > D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$\begin{aligned}
fz^S_{j_s, art j^{sa} \Leftrightarrow} &= \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
&\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_s+n-D)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik})! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right. \\
&\left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik})! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) - \\
&\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_s+n-D)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right. \\
&\left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) +
\end{aligned}$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}+j_{sa}-j^{sa}-l_s-j_{sa}^{ik}+1)! \cdot (j^{sa}-j_s-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \dots$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_s - 1 \geq j_{sa}^{ik} + j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} - 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + l_{sa} - s \wedge$$

$$l_{ik} + j_{sa}^{ik} + 1 = l_s \wedge j_s + j_{sa}^{ik} + j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, art j^{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \left(\sum_{k=2}^{i_l-1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\cdot)} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - j_{sa} - s)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik}) \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{sa} - k + 1} \sum_{j^{sa}=j_s + j_{sa} - 1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{(\)} \sum_{j^{sa}=j_{sa}}^{l_{sa}-i+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{DS,B}^{art j^{sa}} \Leftrightarrow = \left(\sum_{k=2}^{i,l} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i,l-1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{(\)} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{sa}^{ik} + 2)} \sum_{j_{sa} = j_{sa} - 1} \frac{(l_{ik} - k - j_{sa}^{ik} + 2)!}{(l_s - j_s - k - 1)! \cdot (j_s - 1)!} \cdot \frac{(D + j_{sa} - n - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa} - (n + j_{sa} - s))!} + \sum_{k=1}^{i^l} \sum_{(j_s=1)} \sum_{j_{sa}=j_{sa}} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n-s)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_s - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j_s \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{sa}^{ik} - j_{sa} + 1)} \sum_{j_{sa} = j_{sa} + 1}^{l_s + j_{sa} - k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j^{sa}=j_s}^{(\cdot)}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = i_{ik} \Rightarrow$$

$$f_z S_{j_s, art j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j^{sa}=j_s}^{(\cdot)}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \Rightarrow$$

$$fz_{j_s, art j_{sa}}^{DS, B} = \left(\sum_{k=2}^{(l_s - k)!} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (j_s - k + 1)!} - \right.$$

$$\left. \left(\sum_{k=2}^{i_l - 1} \sum_{(j_s = j_{sa} - j_{sa} + 1)}^{(l_s - k + j_{sa} - k - j_{sa}^{ik} + 1)} \sum_{j_{sa} = j_{sa} + 1}^{(l_s - k - 1)!} \frac{(l_s - k - 1)!}{(D + j_{sa} - n - l_{sa} + 1)! \cdot (j_s - 2)!} \cdot \right.$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \right.$$

$$\left. \sum_{k=i_l}^{(l_s - k - 1)!} \sum_{(j_s = 1)}^{(l_s - k - 1)!} \sum_{j_{sa} = j_{sa}}^{(l_s - k - 1)!} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} - \right.$$

$$\left. \left(\sum_{k=2}^{i_l - 1} \sum_{(j_s = j_{sa} - j_{sa})}^{(l_s - k + j_{sa} - k - j_{sa}^{ik} + 2)} \sum_{j_{sa} = j_{sa} + 2}^{(l_s - k - 1)!} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right.$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \right.$$

$$\left. \sum_{k=i_l}^{(l_s - k - 1)!} \sum_{(j_s = 1)}^{(l_s - k - 1)!} \sum_{j_{sa} = j_{sa} + 1}^{(l_s - k - 1)!} \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \Rightarrow$$

$$\begin{aligned} & \left(\sum_{k=2}^{i-1} \binom{i-l}{k} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\ & \left(\sum_{k=2}^{i-1} \binom{i-l}{k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \\ & \left(\sum_{k=2}^{i-1} \binom{i-l}{k} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) + \\ & \left(\sum_{k=2}^{i-1} \binom{i-l}{k} \sum_{j_s=1} \sum_{j^{sa}=j_s} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} \right) - \\ & \left(\sum_{k=2}^{i-l-1} \binom{i-l-1}{k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \\ & \left(\sum_{k=2}^{i-l-1} \binom{i-l-1}{k} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) + \end{aligned}$$

$$\sum_{k=2}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} - \right.$$

$$\left. \left(\sum_{k=2}^{(j_s=j^{sa}-j_{sa}+1)} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-k} \right) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right.$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right.$$

$$\sum_{k=2}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} - \right.$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j^{sa}-j_{sa})}^{()} \sum_{j^{sa}=j_{sa}+2}^{l_s+j_{sa}-k+1} \right.$$

$$\left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \Rightarrow$$

$$fz_{j_s, l_{sa}, j^{sa}} = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{i_l} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j_s \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - j_{sa}^{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)} \sum_{(j_s=j^{sa}-j_{sa})}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{\binom{()}{j_s=l_{ik}-k-j_{sa}^{ik}+2}} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j_s \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - j_{sa}^{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=l_{sa}+n-D-j_{sa}+1}} \sum_{j^{sa}=j_s+j_{sa}-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=l_{sa}+n-D-j_{sa}}} \sum_{j^{sa}=j_s+j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{\binom{()}{j_s=l_{ik}-k-j_{sa}^{ik}+2}} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - s)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j_s \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - j_{sa}^{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=j^{sa}-j_{sa}+1}} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=j^{sa}-j_{sa}}} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{\binom{()}{j_s=l_s-k+1}} \sum_{j^{sa}=l_s+j_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j_s \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - j_{sa}^{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS,B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=l_s-k+1}} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{\binom{()}{j_s=l_s-k+1}} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2} \sum_{\binom{()}{j_s=l_s-k+1}} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - k)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j_s \geq j_s + j_{sa}$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - j_{sa}^{ik} \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{l_s+j_{sa}-k} \sum_{j^{sa}=l_{sa}+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \\
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})+j_{sa}-k} \sum_{j^{sa}=l_{ik}+j_{sa}-k+n-D}^{+n-D} \right) \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa})!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=2)}^{(j^{sa}-k+1)+l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \sum_{j^{sa}=l_s+j_{sa}-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa})!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{(l_s-k+1)} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Big)
\end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$fz_{j_s, art j^{sa}}^{DS, B} = \left(\sum_{k=2}^{(l_s - k)!} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (j_s - k)!} - \right.$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=2)}^{(l_s+n-D-j_{sa})} \sum_{(j_s=2)}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right.$$

$$\left. \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \right.$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right.$$

$$\left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right.$$

$$\left. \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \right.$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=2)}^{(l_s+n-D-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right)$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_s - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_s - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{(l_s-k+1)} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} + j_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} - j_s - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq 1 \wedge n \wedge l_s \leq D \wedge n + 1 \wedge j_{sa} - 1 \geq j_{sa}^{ik} \geq j_{sa} - 2 \wedge j^{sa} \geq j_s + j_{sa} \wedge$$

$$1 \leq j_s \leq j_s - j_{sa} + 1$$

$$j_s + j_s - 1 \leq j_s + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$= D - l_{ik} + j_{sa} - n - j_{sa}^{ik} + 1 \Rightarrow$$

$$fz S_{j_s, art j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i_l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\frac{\sum_{k=2}^{\binom{D}{j_s=l_s}} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1} (D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu hariçindeki durumlarla başlayan dağılımlarda, simetrisinin ilk ve son bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk ve son bağımlı durumunun bulunabileceği olaylara bağlı, simetrisinin bitişik ve ayrı olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrisinin durumlarının bulunabileceği diğer dağılımların sayısından (son durum için durumların tek simetrik olasılıkları), simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu hariçindeki durumlarla başlayan dağılımlarda, simetrisinin ilk ve herhangi bir bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk ve son bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz_{j_s, j_i}^{DS, B} = \sum_{k=2}^{fz^{D_s}} \frac{1}{fz^{S_1}} - fz_{j_s, j_i}^{DS}$$

esitliğin sağdaki terimlerin eşitleri yazıldığında,

$$fz_{j_s}^{DS, B} = \left(\sum_{k=2}^{D-l_s} \right)$$

$$\left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} - \sum_{k=2}^{D+l_s+s-n-l_i} \left(\sum_{(j_s=j_i-s+1)}^{\binom{D}{j_s=l_s}} \sum_{j_i=l_i+n-D}^{l_s+s-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \right) - \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\begin{aligned}
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \quad \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \quad \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
\end{aligned}$$

eşitlikleri elde edilir. Bu eşitliklere simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin ilk ve son bağımlı durumu arasında simetride bulunmayan bağımlı durumlar bulunmadan ve bulunarak, simetrimin ilk ve son bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı dağılımların sayısına **simetrimin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı** denir. Simetrimin

ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fz S_{j_s, j_i}^{DS, B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$\frac{(D - n + 1)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot \sum_{k=2}^{D-n} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz S_{j_s, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_i-s+1)}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz_{j_s, j_i}^{DS, B} = \sum_{k=2}^{n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \sum_{j_s=j_i-s+1}^{()} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$f_z^{DS,B} S_{j_s, j_i \Leftrightarrow} = \sum_{k=2}^{n+1} \frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!} \sum_{(j_s=j_i-s+1)}^{D-n+1} \sum_{j_i=l_s+n+s-D-1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$S_{j_s, j_i}^{DS, B} = \sum_{k=2}^{n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{n+1} \sum_{(j_s=l_s+n-D)}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{n+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=j_s+s-1}^{n+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$f_{j_s, j_i}^{DS, B} = \sum_{k=2}^{n+1} \frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!} \sum_{j_s=l_i+n-s-D+1}^{l_i-n-s+2} \sum_{j_i=j_s+s-1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-j_{sa}^{ik}-D+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-j_{sa}^{ik}-D+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$

$f_z^{DS,B}{}_{j_s, j_i \Leftrightarrow} = \sum_{k=2}^{n+1} \frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!} \sum_{j_s = l_i + n - j_{sa}^{ik} - D + 1}^{(l_s - k + 1)} \sum_{j_i = j_s + s - 1}^{(l_s - k + 1)}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

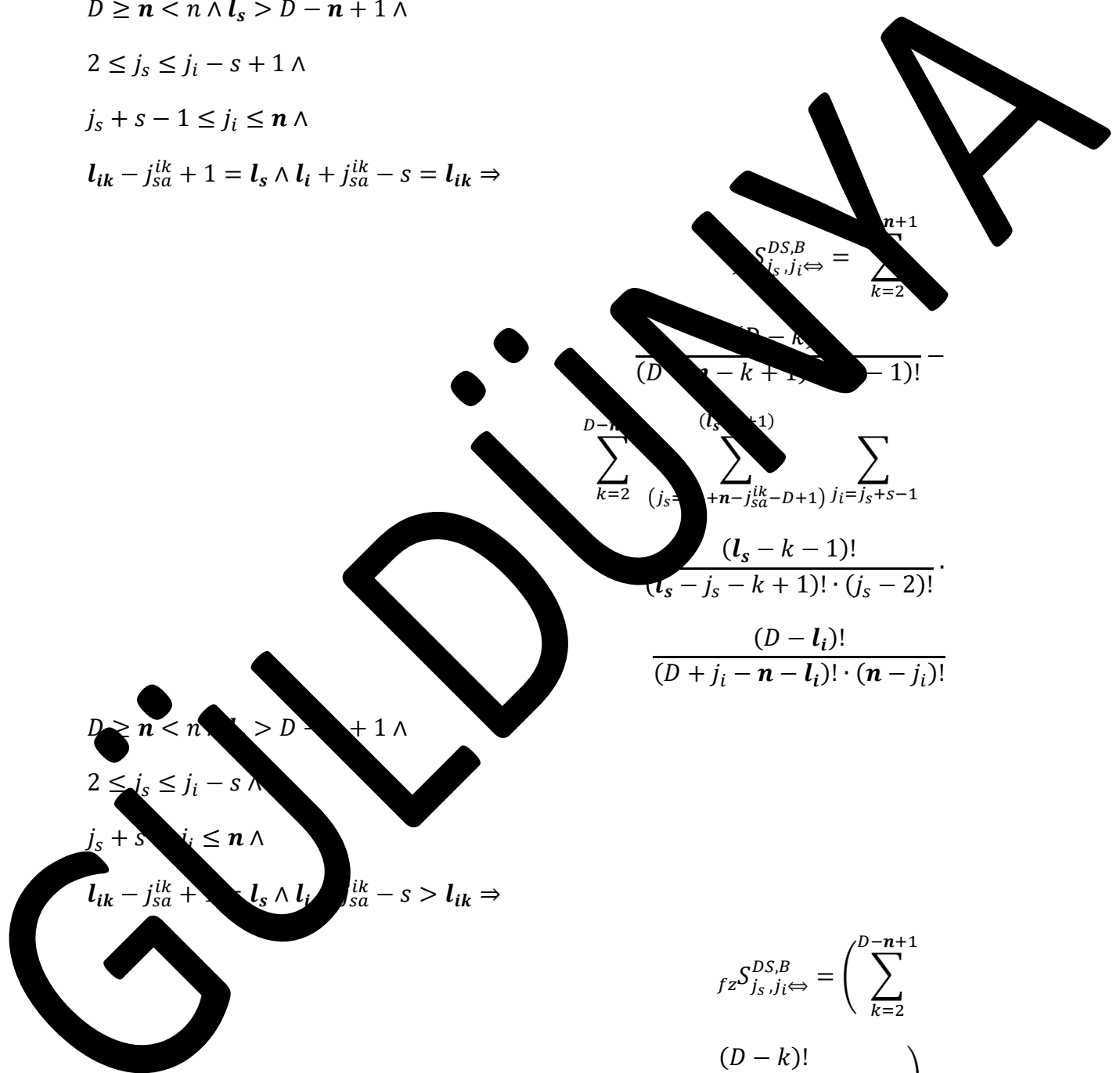
$2 \leq j_s \leq j_i - s \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$

$f_z^{DS,B}{}_{j_s, j_i \Leftrightarrow} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{lk}+1} \right)$



$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right. \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
& \sum_{k=D+l_s+s-n-l_i}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{l_{ik}-k-j_{sa}^{ik}+1} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
\end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) =$$

$$\begin{aligned} & \binom{D-n+1}{j_s, j_i}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \right. \\ & \left. \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) - \\ & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right. \\ & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\ & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\ & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right. \\ & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\ & \left. \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \right) + \\ & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \end{aligned}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_i+n-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_i - s$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_i + j_{sa} - s \geq k \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\begin{aligned}
& \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{s\bar{a}}^{ik}+1)}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
& \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
& \left. \sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=l_{ik}+n-D-j_{s\bar{a}}^{ik}+2)}^{(l_{ik}-k-j_{s\bar{a}}^{ik}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
& \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
& \left. \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{s\bar{a}}^{ik}+1)}^{(l_{ik}-k-j_{s\bar{a}}^{ik}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
& \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
\end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \frac{\sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-k)!} - \left(\sum_{k=2}^{D+l_s+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_s+s-1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(l_i-n-l_i)! \cdot (n-j_i)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \right) + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_i=j_s+s}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} =$

$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$

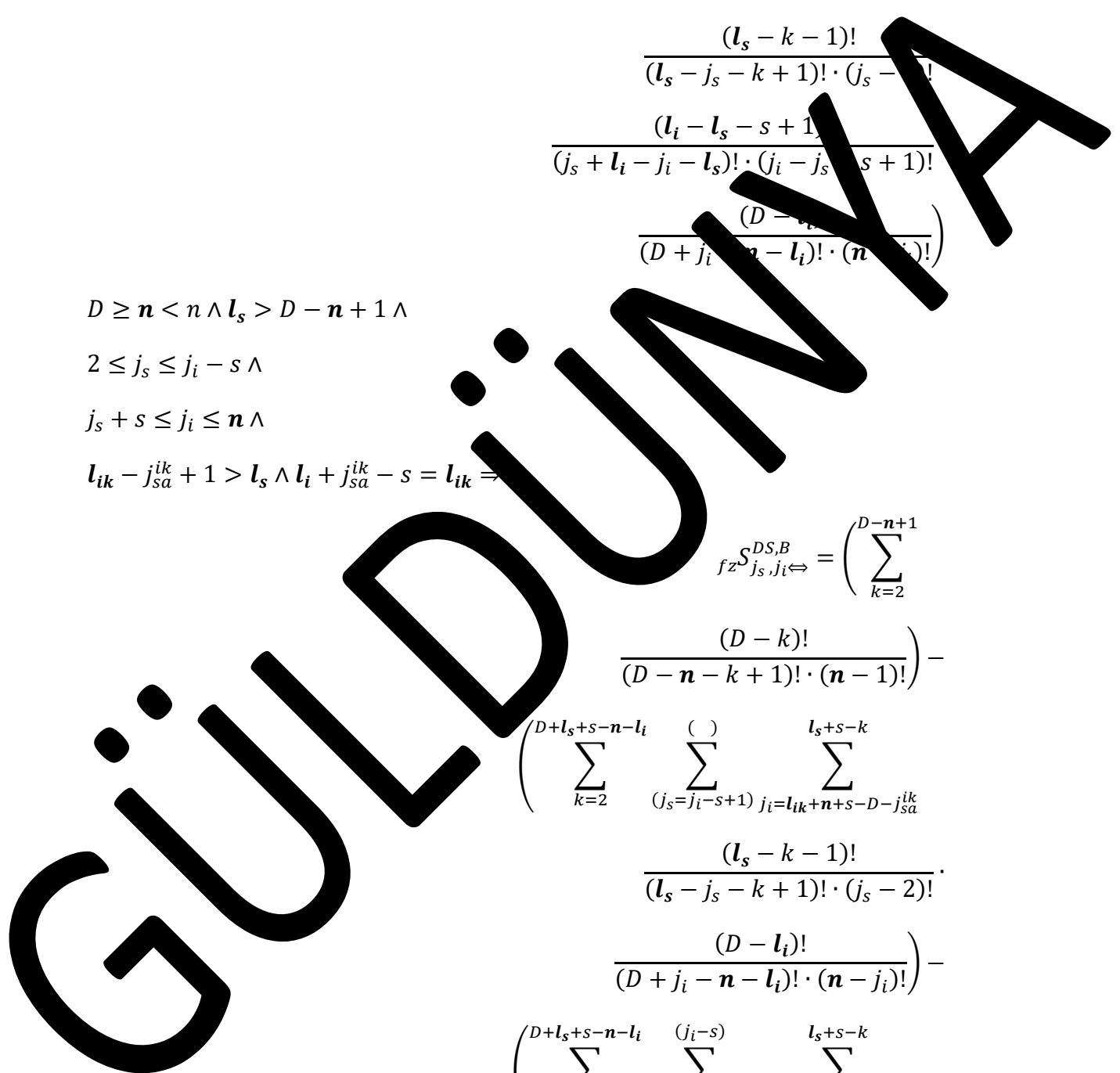
$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-k}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_i-s)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-k}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$



$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_s+s-k+1}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D > n < n \wedge l_s > n + 1$$

$$2 \leq j_s = i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_i=j_s+s-1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{ik}+s-j_{sa}^{ik}+1)} \sum_{j_i=l_{ik}+n-s-j_{sa}^{ik}}^{l_{ik}+s-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_i=j_s+s}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\begin{aligned} & f_{i \leftrightarrow j}^{DS,B} = \sum_{k=2}^{D-n+1} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \\ & \left(\sum_{j_s=l_{sa}+s+1}^{D+l_s+s-n-l_i} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\ & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\ & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=l_{sa}+s-k-j_{sa}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=l_i+n-k}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} - l_i + j_{sa} - j_{sa} \Rightarrow$$

$$fz_{j_s, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=j_s+s-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=j_s+s}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < l_s > D - 1 \wedge 2 \leq j_i < j_i - s \wedge j_s + s \leq j_i < n \wedge$$

$$-j_{ik} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(j_i-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_s - l_i - j_i - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{l_{ik}-k-j_{sa}^{ik}+2} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \Rightarrow$$

$$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_i-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D-n+l_s+s-n-l_i+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_i=l_s+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > n - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i - n \wedge$$

$$l_i - j_{sa} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\
& \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \right) \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s}^{l_{sa}+s-k-j_{sa}+1} \right) \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot
\end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \Rightarrow$$

$$fz_{j_s, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_i=j_s+s-1} \right.$$

$$\left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \right.$$

$$\left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_i=j_s+s}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D-n+l_s+s-n-l_i+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_i=j_s+s}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} = j_{sa} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{i-s+1})}^{(\cdot)} \sum_{j_i=s+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=1}^{(i)} \sum_{j_i=s}^{(j_s=j_{i-s+1})} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} \right)$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik}$

$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{i-s+1})}^{(\cdot)} \sum_{j_i=s+1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$

$\sum_{k=1}^{(i)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_i=s}$

GÜLDÜMVA

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$\begin{aligned} & \left(\sum_{k=2}^{i^l} \right) \\ & \frac{(D - k)!}{(k + 1)! \cdot (n - 1)!} \\ & \left(\sum_{k=2}^{i^{l-1}} \sum_{j_i=s+1}^{j_i-s+1} \sum_{j_i=s+1}^{s+s-k} \right) \\ & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\ & \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_i=s} \\ & \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_i - k - s + 2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{(j_s=1)} \sum_{j_i=s}$$

$$\frac{(D-l_i)!}{(D+n-l_i)! \cdot (n-s)!} \Big)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - 1 = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=1}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{(j_s=1)} \sum_{j_i=s}$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$f_{z^s}^B = \left(\sum_{k=2}^{\binom{D-k}{D-n-k-1}} \right) -$$

$$\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{(j_s=1)} \sum_{j_i=s}$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$\begin{aligned}
f_{zS}^{DS,B}{}_{j_s, j_i \leftrightarrow} &= \left(\sum_{k=2}^{i^l} \right. \\
&\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \Bigg) - \\
&\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{i-s+1})}^{(\cdot)} \sum_{j_s=s+1}^{l_{ik+s-k-j_{s\alpha}^{lk}}} \right. \\
&\frac{(l_s-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
&\frac{(D-l_i)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!} \\
&\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_i=s} \\
&\left. \frac{(D-l_i)!}{(D+l_i-n-l_i)! \cdot (n-s)!} \right) - \\
&\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=s+2}^{l_{ik+s-k-j_{s\alpha}^{lk}+1}} \right. \\
&\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
&\frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \\
&\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
&\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_{ik-k+1})} \sum_{j_i=l_{ik+s-k-j_{s\alpha}^{lk}+2}}^{l_i-k+1} \\
&\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
&\frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!}
\end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_i=s+1}^{l_i-l_i+1}$$

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - l_s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_i \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{(i-l_i)} \frac{\binom{i-l_i}{k} (D-n-k+1)!}{(D-n-k+1)! \cdot (j_s-2)!} - \frac{\left(\sum_{k=2}^{i-l_i} \sum_{j_s=1}^{(j_s-1)} \sum_{j_i=s+1}^{l_s+s-k} \frac{(i-l_i-k-1)!}{(j_s-k+1)! \cdot (j_s-2)!} \right)}{\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^{(j_s-1)} \sum_{j_s=1}^{(j_s-1)} \sum_{j_i=s}^{(j_i-1)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} - \left(\sum_{k=2}^{i-l_i} \sum_{j_s=2}^{(j_i-s)} \sum_{j_i=s+2}^{l_s+s-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} + \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\sum_{k=2}^{i^{l-1}(l_s-k+1)} \sum_{(j_s=2)}^{l_i-k+1} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \left(\sum_{k=1}^{i^{l-1}(l_s-k+1)} \sum_{(j_s=1)}^{l_i-k+1} \sum_{j_i=s+1}^{l_i-k+1} \frac{(l_i-l_s-s+1)!}{(l_i-l_s-k+1)! \cdot (j_i-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$D \geq n < n \wedge l_i \leq D + s - n$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{ik} + 1 = l_s \wedge l_s + j_{sa}^{ik} - s > l_{ik}$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{(j_s=2)}^{l_i-k+1} \sum_{j_i=j_s+s-1}^{l_i-k+1} \right)$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_i=s}^{()} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} - \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{()} \sum_{j_i=j_s+s}^{()} \frac{(i-k-1)!}{(l_s - j_s - k + 1)! \cdot (l_i - j_i - s + 1)!} \cdot \frac{(l_i - l_s + 1)!}{(j_s + l_s)! \cdot (l_i - j_s - s + 1)!} \right) + \sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_i=s+1}^{()} \frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\begin{aligned} & (D \geq n < n \wedge l_i \leq D - n + 1 \wedge \\ & 1 \leq j_i \leq j_i - s \wedge \\ & j_s + s \leq j_i \leq n \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 = l_s - l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\ & l_i \leq D + s - n) \vee \\ & (D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\ & 1 \leq j_s \leq j_i - s \wedge \\ & j_s + s \leq j_i \leq n \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \end{aligned}$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} - \left(\sum_{k=2}^{i_l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=j_s+s-1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i_l}^{(\cdot)} \sum_{(j_s=1)} \sum_{j_i=s} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1) l_i - k + 1} \sum_{(j_s=2)} \sum_{j_i=j_s+s} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_i - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=l_i}^{(i)} \sum_{(j_s=1)} \sum_{j_i=s+1}^{l_i+1} \frac{(l_i - l_s)!}{(l_i - j_s - l_s + 1)! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_s \leq D - n + 1$
 $2 \leq j_s \leq j_i - s \wedge$
 $j_s + s \leq j_i \leq n$
 $l_{ik} - j_{sa} + 1 = l_s \wedge l_{ik} - j_{sa} - s > l_{ik}$
 $D + s - n < l_i \wedge D + l_s - n \Rightarrow$

$$fz^{DS,B}_{j_s, j_i \Leftrightarrow} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{(i)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{s\bar{a}}^{ik}+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{s\bar{a}}^{ik}+2} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=D+l_s+s-n-l_i+1}^{i l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{s\bar{a}}^{ik}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \quad \left. \sum_{k=i}^{()} \sum_{(j_s=1)}^{l_i - i l+1} \sum_{j_i=l_i+n-D} \right)
 \end{aligned}$$

GÜLDÜZYA

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 = l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\begin{aligned}
& \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right. \\
& \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
& \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_s-k} \right. \\
& \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
& \quad \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \\
& \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
& \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
& \quad \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \\
& \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
& \quad \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!}
\end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{l_i - i^{l+1}} \sum_{j_i=l_i+n-D}$$

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik-k-j_{s\alpha}^{ik}+2})} \sum_{j_i=j_s+k}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i}^1 \sum_{(j_s=2)}^{(l_{ik-k-j_{s\alpha}^{ik}+2})} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{l_i - i + 1} \sum_{j_i=l_i+n-D}$$

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$fz S_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i!} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_i=j_s+s-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_i=j_s+1}^{l_i-k+1} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=D+l_s+s-n-l_i+1}^{l_i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=i}^{()} \sum_{(j_s=1)}^{l_i-i+1} \sum_{j_i=l_i+n-D}^{l_i-i+1} \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

GÜLDÜZYA

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n} \frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s)}^{(j_i-s)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_s+s-k+1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) +$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-l} \sum_{(j_s=1)}^{l_{ik}+s-i-j_{sa}^{ik}+1} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s + 1)! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n - l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_i - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_i - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz^{S_{j_s, j_i}^{DS, B}} = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_i=j_s+s-1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{ik}+s-j_{sa}^{ik}+1)} \sum_{j_i=l_{ik}-j_{sa}^{ik}}^{l_{ik}+s-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \right)$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_i=j_s+s}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-l} \sum_{(j_s=1)}^{()} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-i-l-j_{sa}^{ik}+1}$$

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa}^{ik} - s > l_{sa}$$

$$D + s - n < l_i \leq D + l_s + s - n - 1$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=l_{sa}+s-k-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i}^{l_i-1} \sum_{(j_s=2)}^{(l_i-k-j_{sa}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)}^{l_i-i} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

GÜLDÜMÜNYA

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \left(\sum_{j_s=l_i+n-D-s+1}^{D+l_s+s-n-l_i} \sum_{j_i=l_i-1}^{(l_{sa}-k-j_{sa}+2)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \left(\frac{(D-l_i)!}{(j_s+l_i-j_i-l_i)! \cdot (n-j_i)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=2}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} \right) + \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_i+n-D-s+1}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=j_s+s}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-l_s-s+1)!}{(j_s+l_i-j_i-l_s)! \cdot (j_i-j_s-s+1)!} + \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$D \geq n < n \wedge l_s \leq D - n + 1$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq n \wedge$

$l_{ik} - l_{ik} + 1 = l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} > l_i + j_{sa} - s = l_{sa} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=D+l_s+s-n-l_i+1}^{l_i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=l}^{()} \sum_{(j_s=1)}^{l_i-l+1} \sum_{j_i=l_i+n-D} \right)
 \end{aligned}$$

GÜLDÜZYA

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_i-s+1)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \quad \sum_{k=2}^{D+l_s+l_i-l_s-k+1} \sum_{(j_s=2)}^{l_s-k+1} \sum_{j_i=l_{sa}+n+s-D-j_{sa}+1}^{l_s-k-j_{sa}+1} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \quad \left. \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \right) \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \quad \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \quad \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{l_{sa}+s-i^l-j_{sa}+1} \sum_{j_i=l_{sa}+n+s-D-j_{sa}} \\
 & \quad \left. \frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \right)
 \end{aligned}$$

GÜLDÜZYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=l_{sa}+n-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{i^l} \sum_{(j_s=1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i^l-j_{sa}+1}$$

$$\frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D - n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

GÜLDÜNYA

$$fz^{j_s} = \sum_{k=2}^{i_l} \binom{i_l}{k} \frac{(D - l_i)!}{(D - n + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{l_s-k-1} \sum_{j_i=j_s+s-1}^{l_{sa}+n-D-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} + \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_i=j_s+s}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k-1)} \sum_{j_i=l_{sa}+n+s-D-j_s}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=1)}^{l_{sa}+s-i^{l-j_{sa}+1}} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}$$

$$\frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s + 1)! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i_l-1} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right)$$

$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_i - l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=2}^{l-1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{(j_i=j_s+s)}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_s - s + 1)!}{(j_s + l_i - j_i - l_s)! \cdot (j_i - j_s - s + 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=l}^{(l)} \sum_{(j_s=1)}^{(l_i - l + 1)} \sum_{(j_i=l_i+n-D)} \\
& \frac{(l_i - l_s - s + 1)!}{(l_i - j_i - l_s + 1)! \cdot (j_i - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin ilk ve herhangi bir bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrinin ilk ve herhangi bir bağımlı durumunun bulunabileceği olaylara bağlı, simetrinin bitişik ve ayrık olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkları), simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin ilk ve herhangi bir bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrinin ilk ve

herhangi bir bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$f_z S_{j_s, j^{sa} \Leftrightarrow}^{DS, B} = \sum_{k=2}^{f_z D_s} f_z S_1^1 - f_z S_{j_s, j^{sa} \Leftrightarrow}^{DS}$$

eşitliğin sağındaki terimlerin eşitleri yazıldığında,

$$f_z S_{j_s, j^{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\begin{aligned} & \frac{\binom{D-n+1}{k} \binom{n-1}{k-1}}{(D-n+1)! \cdot (n-1)!} - \\ & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{k} \sum_{j_s=l_s+n-D}^{j^{sa}-j_{sa}+1} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_s} \sum_{l_s+j_{sa}-k}^{l_s+j_{sa}-k} \binom{D+l_s+j_{sa}-n-l_{sa}}{l_s+j_{sa}-k} \right. \\ & \left. \frac{(D-n+1-k-1)!}{(D-n+1-k)! \cdot (j_s-2)!} \cdot \right. \\ & \left. \frac{\binom{D+j_{sa}-l_{sa}-s}{k} \binom{l_{sa}-s}{k}}{\binom{D+l_s+j_{sa}-n-l_{sa}}{k} \binom{n+j_{sa}-j^{sa}-s}{k}} \right) - \\ & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{k} \sum_{j_s=l_s+n-D}^{j^{sa}-j_{sa}} \binom{j^{sa}-j_{sa}}{j_s} \sum_{l_s+j_{sa}-k}^{l_s+j_{sa}-k} \binom{D+l_s+j_{sa}-n-l_{sa}}{l_s+j_{sa}-k} \right. \\ & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\ & \left. \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \right. \\ & \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right. \\ & \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{k} \sum_{j_s=l_s+n-D}^{(l_s-k+1)} \binom{l_s-k+1}{j_s} \sum_{l_s+j_{sa}-k+1}^{l_s-k+1} \binom{D+l_s+j_{sa}-n-l_{sa}}{l_s-k+1} \right. \\ & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\ & \left. \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \right) \end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - s)!}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - l_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

eşitlikleri elde edilir. Bu eşitliklere simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz durumlardan, simetrimin ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin ilk ve herhangi bir bağımlı durumu arasında simetride bulunmayan bağımlı durumlar bulunmadan ve bulunarak, simetrimin ilk ve herhangi bir bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı dağılımların sayısına *simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı* denir. Simetrimin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fz_{j_s, j^{sa}}^{DS, B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s \leq D - n - 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - l_{sa} \leq j^{sa} \leq n - j_{sa} - s \wedge$$

$$l_{ik} - j_{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

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$$fz_{j_s, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_s+n+j_{sa}-D-1}^{l_s+j_{sa}-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_{zS}^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$f_{zS}^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$f_z^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{()}{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = l_{ik} + n + j_{sa} - D - j_{sa}^{ik}}^{l_{sa} - k + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{()}{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = l_{ik} + n + j_{sa} - D - j_{sa}^{ik}}^{l_s + j_{sa} - k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$f_{j_s, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_s+n+j_{sa}-D-1}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_s+n+j_{sa}-D-1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$f_z^{DS,B}_{j_s, j^{sa} \Leftrightarrow} = \sum_{k=2}^{n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=j_s+j_{sa}-1}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

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$f_z^{DS,B}_{j_s, j^{sa} \Leftrightarrow} = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=j_s+j_{sa}-1}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$f_z^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(n - 1)!}$$

$$\sum_{k=2}^{n+1} \sum_{j_s=l_s+n-D}^{(l_s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$f_z^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$\frac{(D - n - k + 1)!}{(n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}-D-j_{sa}+1)}^{(l_s-k)} \sum_{j^{sa}=j_s+j_{sa}-1}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

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$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j^{sa}=j_s+j_{sa}-1}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik})}^{(l_s-k)} \sum_{(j^{sa}=j_s+j_{sa}-1)}^{(D-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$

$f_z^{DS,B} S_{j_s, j^{sa}} \Leftrightarrow = \sum_{k=2}^{n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{l_{ik}=n-k}^{l_{ik}+2} \sum_{j^{sa}=j_s+j_{sa}-1}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa}$

$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$

$f_z^{DS,B} S_{j_s, j^{sa}} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j^{sa}-j_{sa}+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$

$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right. \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
& \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}^{l_{sa}-k+1} \right. \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
& \left. \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right. \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
\end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$f_{Z,DS,B}^{j^{sa}} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\left(\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} +$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{sa}-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j^{sa}=l_s+n-j_s-k+1}^{l_{sa}-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_s - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_s - j_{sa} - l_{ik} \Rightarrow$$

$$f_Z S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=j_s+j_{sa}-1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right)$$

$$\begin{aligned}
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Bigg) - \\
& \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}+n-D-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
& \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}+n-D-j_{sa}+2)} \sum_{j^{sa}=j_s+j_{sa}}^{l_{sa}-k+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
& \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
\end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \Rightarrow$$

$$\left(\sum_{k=2}^{D-n+1} f_{Z}^{S_{j_s, j_{sa}^{sa}}} \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} - \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{l_s+j_{sa}-l_{sa}} \sum_{j_{sa}=j_s+j_{sa}-1}^{l_{sa}-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) - \left(\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} - \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \right) + \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}}^{l_{sa}-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+1)}^{(l_s-k+1)} \sum_{j^{sa}=l_{sa}+n-j_s}^{l_{sa}-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > 0 \wedge l_{sa} + j_{sa} - j_s = l_{ik} \Rightarrow$$

$$f_z S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_s+j_{sa}-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\begin{aligned}
& \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_s+j_{sa}-k} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
& \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=1}^{D+l_s+j_{sa}-n-l_{sa}+1} \sum_{(j_s=l_s+n-D)}^{(j^{sa}-j_{sa}-k+1)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}+1}^{l_s+j_{sa}-k-j_{sa}^{ik}+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=1}^{D+l_s+j_{sa}-n-l_{sa}+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
& \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
\end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{sa}^{ik}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{sa}=j_s+j_{sa}-1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-j_{sa}-n-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s-D)}^{(l_s-k+1)} \sum_{j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j_{sa}-l_s)! \cdot (j_{sa}-j_s-j_{sa}+1)!} \right) +$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{sa}=j_s+j_{sa}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j_{sa}-l_s)! \cdot (j_{sa}-j_s-j_{sa}+1)!} \right) +$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} +$$

GÜLDENWA

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i^l}^{(\quad)} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(j_s=j^{sa}-j_{sa}+1)} \frac{l_{ik} + j_{sa} - j_{sa}^{ik} + 1}{(l_s - k - 1)! \cdot (j_s - k - 1)! \cdot (j_s - 2)!} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(j_s=j^{sa}-j_{sa}+1)} \frac{l_s + j_{sa} - k}{(l_s - k - 1)! \cdot (j_s - k - 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i}^{\binom{()}{i}} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j^{sa}}^{DS, B} = \sum_{k=2}^{i!}$$

$$\frac{(D - k)!}{(D - i - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{(l_{sa}-k-j_{sa}+2)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i}^{\binom{()}{i}} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

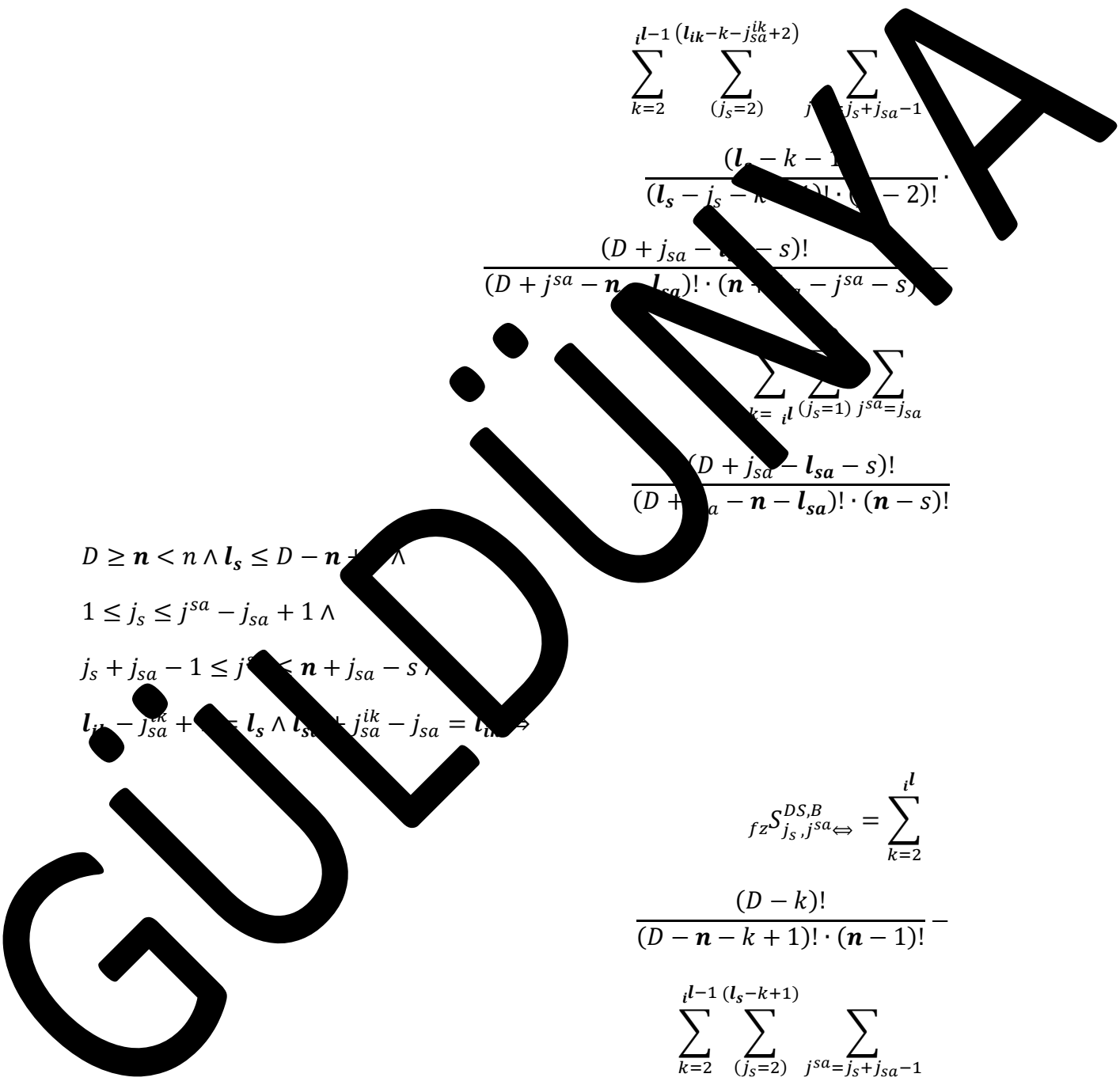
$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$



$$fz_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_s + j_{sa} - 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa}^{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s + j_{sa} - 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s}^s \Rightarrow \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(n - k - 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=1}^{i-1} \sum_{(j_s=j_{sa}+1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

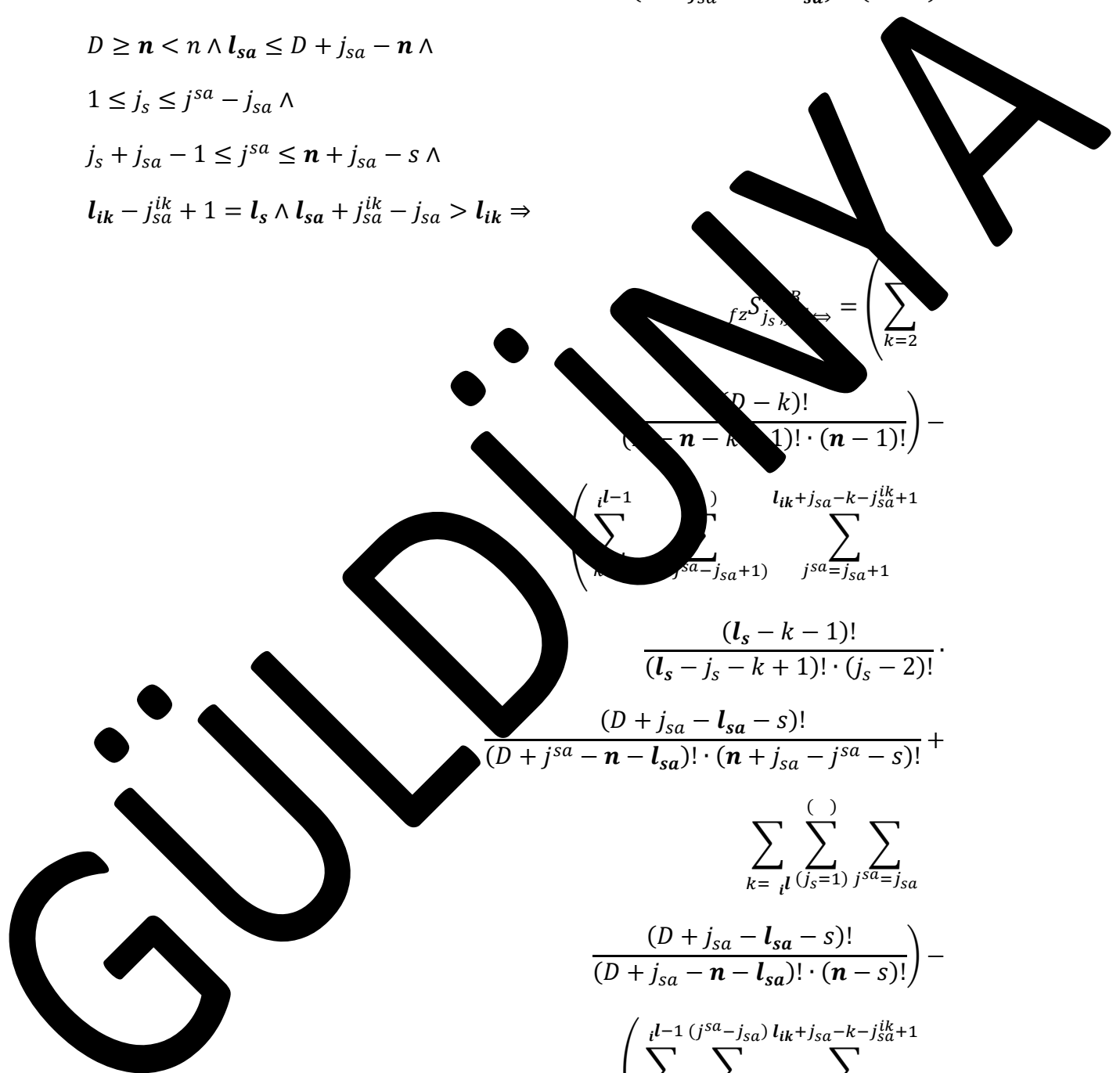
$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{l_{sa}-i^{l+1}} \sum_{j_{sa}=j_{sa}+1}$$

$$\frac{(l_s - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \vee$$

$$(D \geq n < l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \Rightarrow$$

$$S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{l_s+j_{sa}-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_s - k + 1} \sum_{j^{sa}=l_s - j_{sa} - k + 1}^{l_s - k + 1} \frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{i^l} \sum_{(j_s=1)}^{i^l} \sum_{j^{sa}=j_{sa}+1}^{l_{sa} - i^{l+1}}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq \dots + j_{sa} - \dots$$

$$l_s \leq j_s \leq \dots - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} - \dots - s \wedge$$

$$l_{ik} - j_{sa}^{ik} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1} (l_{ik}-k-j_{sa}^{ik}+2)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \left(\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j^{sa}=j_s} \right. \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!} \cdot \\
 & \quad \left(\sum_{k=2}^{i^{l-1} (l_{ik}-k-j_{sa}^{ik}-k+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}} \right. \\
 & \quad \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + j_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \\
 & \quad \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \quad \sum_{k=i^l} \sum_{(j_s=1)}^{l_{sa}-i^{l+1}} \sum_{j^{sa}=j_{sa}+1} \\
 & \quad \quad \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \quad \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - n) \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{()} \sum_{j^{sa}=j_s+j_{sa}}^{l_{sa}-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (k - 2)!} \cdot$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j_s - 1)! \cdot (j^{sa} - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}-i+1}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!})$$

$$D \geq n < n \wedge l_s \leq D - n - 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_s - s \wedge$$

$$l_{ik} - k + 1 = l_s - j_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - l_{sa} \leq l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right. \\
 & \quad \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right. \\
 & \quad \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right) \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} - 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i_l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}
 \end{aligned}$$

GÜLDENWA

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{l_{sa}} \sum_{(j_s=1)}^{l_{sa}-i+1} \sum_{j^{sa}=l_{sa}+n-D}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - (j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$f_z S_{j_s, j^{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j^{sa}-k+1)}^{(l_s-k-1)} \sum_{j^{sa}=l_{sa}+n-D}^{+j_{sa}-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-k+1)!} \cdot \frac{(D+l_s+j_{sa}-n-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) - \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-j_{sa}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) + \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{sa}-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) +$$

GÜLDENYA

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \left(\sum_{k=i^l}^{(i)} \sum_{j_s=1}^{i-1} \sum_{j^{sa}=l_{sa}+n-D}^{i-1} \frac{(i - l_s - j_s - 1)!}{(i - j_s - l_s + 1)! \cdot (i - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(n + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - k + 1 = l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} >$$

$$D + j_{sa} - n < \dots \leq D + \dots + j_{sa} - \dots - 1 \Rightarrow$$

$$f_z S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D-j_{sa}+1)}^{(l_s-k-j_{sa}+2)} \sum_{j^{sa}=j_s+j_{sa}}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

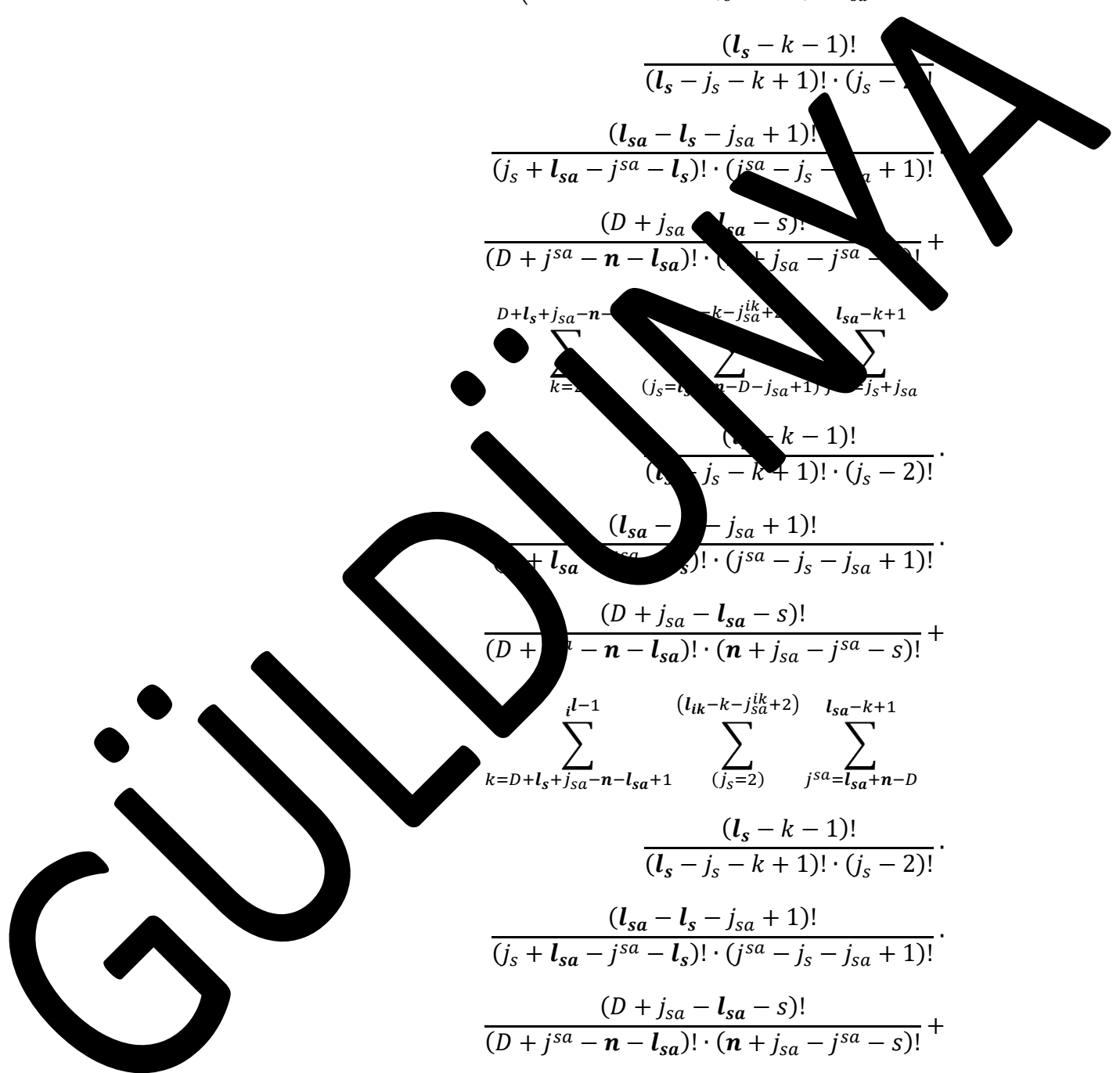
$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-i+1}$$



$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa})!} \cdot \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \Rightarrow$$

$$fz S_{j_s, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i_l} \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s+n-D-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+n-D} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\
 & \quad \left. \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \right. \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right. \\
 & \quad \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j^{sa}=j_s+j_{sa}}^{l_{sa}-k+1} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\
 & \quad \left. \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \right. \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right. \\
 & \quad \left. \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \right. \\
 & \quad \left. \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \right)
 \end{aligned}$$

GÜLDENYA

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{l} \sum_{(j_s=1)}^{l_{sa}-i+1} \sum_{j^{sa}=l_{sa}+n-D}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$f_z S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{l_s+j_{sa}-k} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_s+j_{sa}-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_s + l_{sa} - j^{sa} - l_s)! \cdot (j^{sa} - j_s - j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{l_{sa}-i^{l+1}} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}$$

$$\frac{(l_{sa} - l_s - j_{sa} + 1)!}{(l_{sa} - j^{sa} - l_s + 1)! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} \wedge$$

$$j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$f_Z^{S_{j_s, j_{sa}^{ik}}} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-j_{sa}^{ik}+1)}^{(l_s-k+1)} \frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) - \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-j_{sa}^{ik})}^{(l_{ik}+n-j_{sa}^{ik})} \sum_{j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j_{sa}-l_s)! \cdot (j_{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) + \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{sa}=j_s+j_{sa}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j_{sa}-l_s)! \cdot (j_{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}+1}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j^{sa}-l_s)! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+l_{sa}-j_s-s)!} + \dots$$

- $(D \geq n < n \wedge l_s \leq D - n + 1) \wedge$
- $1 \leq j_s \leq j^{sa} - j_{sa} \wedge$
- $j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$
- $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} >$
- $l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$
- $(D \geq n < n \wedge l_s \leq D - n + 1) \wedge$
- $1 \leq j_s \leq j^{sa} - j_{sa} \wedge$
- $j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$
- $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$
- $l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$
- $(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$
- $1 \leq j_s \leq j^{sa} - j_{sa} \wedge$
- $j_s + j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$f_{z} S_{j_s, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \left(\sum_{k=2}^{i_l-1} \sum_{i=2}^{l-k+1} \frac{l_s^{i-k+1}}{j^{sa}=l_{sa}-D} \cdot \frac{(l_s-i-1)!}{(l_s-j_s-i-1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-l_s-j_{sa}+1)!}{(j_s+l_{sa}-j_s-l_s)! \cdot (n-j_s-j_{sa}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_s-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \sum_{k=i_l}^{i_l} \sum_{j_s=1}^{i_l} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-i_l+1} \frac{(l_{sa}-l_s-j_{sa}+1)!}{(l_{sa}-j^{sa}-l_s+1)! \cdot (j^{sa}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) \right)$$

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumları başlayan dağılımlarda, simetrinin ilk bağımlı durumu hariç herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrinin ilk bağımlı durumu hariç herhangi iki bağımlı durumunun bulunduğu olaylara göre, simetrinin bitişik ve ayrık olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkları), simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının farkıyla elde

edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk bağımlı durumu hariç herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk bağımlı durumu hariç herhangi iki bağımlı durumunun bulunabileceği olaylara bağlı, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$f_z S_{j_{ik}, j^{sa} \Leftrightarrow}^{DS, B} = \sum_{k=2}^{f_z D_s} f_z S_1^1 - f_z S_{j_{ik}, j^{sa} \Leftrightarrow}^{DS}$$

eşitliğin sağındaki terimlerin eşitleri yazıldığında,

$$f_z S_{j_{ik}, j^{sa} \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\begin{aligned} & \left(\frac{(D-n+1-k)!}{(D-n+1)!} \right) - \\ & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \right) \cdot \\ & \left(\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) - \\ & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{ik}+n-D)} \sum_{j^{sa}=l_{sa}+n-D}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1) l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \right) \cdot \\ & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\ & \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \\ & \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-k+1)} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}^{l_{sa}-k+1} \end{aligned}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \sum_{(j_{ik}=l_{ik}-k)}^{(l_{ik}-k+1)} \sum_{(j_{sa}^{ik}=j_{sa}-k+1)}^{a-k+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

eşitliği elde edilir. Bu eşitliğin herhangisi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı eşitliği denir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrimin ilk bağımlı durumu hariç herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durum bulunmadan ve bulunarak, simetrimin ilk bağımlı durumu hariç herhangi iki bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı dağılımların sayısı *simetrimin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı* denir. Simetrimin herhangi iki durumu bağlı bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fz_{j_{ik}, j_{sa}^{ik}}^{DS, B}$ ile gösterilecektir.

$$D > n \wedge l_s > D - n + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_{ik}, j_{sa}^{ik}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\cdot)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz S_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\cdot)} \sum_{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}$$

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$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=l_s+n+j_{sa}-D-j_{sa}^{ik}}^{l_s+j_{sa}-k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{sa}+j_{sa}^{ik}-k-j_{sa}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}^{ik}-j_{sa})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) - \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{ik}+n-D)}^{(j_{sa}^{ik}-j_{sa}-1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) + \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) + \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!}$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$

${}_r z S_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$

$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) -$

$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_s+j_{sa}-k} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) -$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_{sa}-k+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(l_s+j_{sa}^{ik})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \Rightarrow$$

$$fz S_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{sa}+n-j_{sa}^{ik}}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right)$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{ik}+n-D-j_{sa})}^{(l_{sa}+j_{sa}^{ik}-D-j_{sa})} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \right)$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik}-k+1)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{D-n+1} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

GÜLTÜZÜMÜ

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$\left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) - \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \frac{(l_{sa}+j_{sa}^{ik}-k)!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} - \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) +$$

GÜLDÜZMÜNYA

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \dots$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge j_{sa}^{ik} \leq j_{ik} \leq l_{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq l_{sa} \leq n + \dots - l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{S_{j_{ik}, j_{sa}}^{DS, B}} = \sum_{k=2}^{i^l}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{(\quad)} \sum_{j_{sa}=j_{sa}+1}^{l_{sa}-k+1}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=0}^{i^l} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_Z^{DS,B}_{j_{ik}, j^{sa}} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{lk}-j_{sa})} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-k-j_{sa}^{lk}+1}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=0}^{i^l} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}+j_{sa}-j_{sa}^{ik}+1)} \frac{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}{(j_{ik}+j_{sa}-n-s)! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=i^l} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j_{sa}=j_{sa}} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j_{sa}=j_{sa}+2}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) + \sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}^{(l_{sa}-k+1)}$$

GÜLDÜZ

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i}^{(l_{sa} - i)^{l+1}} \sum_{j_{ik}^{(k)}} \sum_{j_{sa}^{k+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq j_{ik} + j_{sa} - j_{sa}^{ik} + 1$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}^{ik}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j_{sa}^{k+1}}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\begin{aligned}
& \sum_{k=i}^l \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=j_{sa}}^{l_{ik}+j_{sa}-i-l-j_{sa}^{ik}+1} \\
& \frac{(l_{ik}-i-l-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-i-l+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \\
& \left(\sum_{k=2}^{i-l-1} \sum_{(j_{ik}=j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{sa}^{ik}-1}^{l_{ik}+j_{sa}-i-l-j_{sa}^{ik}+1} \right) \\
& \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k-l+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \\
& \sum_{k=2}^{i-l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}^{l_{sa}-k+1} \\
& \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
& \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \\
& \sum_{k=i}^l \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}+1}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)l_{ik}+j_{sa}-i-l-j_{sa}^{ik}+1} \\
& \frac{(l_{ik}-i-l-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-i-l+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}
\end{aligned}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=i^l}^{(l_{ik} - i^{l+1})} \sum_{(j_{ik}=j_{sa}^{ik})}^{l_{sa} - i^{l+1}} \sum_{j_{sa}=l_{ik}+j_{sa}^{ik}}^{i^l - j_{sa}^{ik} + 2}$$

$$\frac{(l_{ik} - i^l - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - i^l + 1)! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_Z^{S_{j_{ik}, j_{sa}^{ik}}}{}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j_{sa}=j_{sa}+1}^{l_s+j_{sa}-k}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$\sum_{k=2}^i \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \Rightarrow$$

$$\left(\sum_{k=2}^i f_{z^{j_{ik}}} \right) \frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-k} \right) -$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} -$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^i \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j^{sa}=j_{sa}+2}^{l_s+j_{sa}-k} \right) -$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}, j_{sa}^{ik}=l_s + \dots - k + 1)}^{(l_s + j_{sa}^{ik} - k) \wedge (j_{sa}^{ik} - k + 1)} \frac{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=i^l} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j_{sa}^{ik}=j_{sa}+1}^{l_{sa} - i^{l+1}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Bigg)$$

$$D \geq n - l_s \wedge l_s \leq D - n + 1 \wedge j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{ik} \wedge j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge l_{ik} - j_{sa}^{ik} + l_s = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_{z}^{DS,B} S_{j_{ik}, j_{sa}^{ik}} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\frac{\sum_{k=2}^{i^l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{sa}+j_{sa}^{ik}-k-j_{sa}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}{(l_{ik}-k-j_{sa}^{ik})!} \cdot \frac{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}{(D+j_{sa}-l_{sa}-s)!} \cdot \frac{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \leq l_s \Rightarrow$$

$$f_z^{DS,B} S_{j_{ik}, j^{sa}} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\frac{\sum_{k=2}^{i^l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}{(l_{ik}-k-j_{sa}^{ik})!} \cdot \frac{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}{(D+j_{sa}-l_{sa}-s)!} \cdot \frac{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n-s)!}$$

$$\sum_{k=2}^{i^l} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$\begin{aligned} & \sum_{k=2}^i \binom{i}{k} \binom{D - k}{n - k + 1} \frac{(D - k)!}{(n - 1)!} \\ & \sum_{k=2}^{i-1} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}-k+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\ & \sum_{k=i}^i \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{j_{sa}=j_{sa}} \\ & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} \right) - \\ & \left(\sum_{k=2}^{i-1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right. \\ & \left. \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \right. \\ & \left. \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \end{aligned}$$

GÜLDÜMNYA

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=0}^i \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}^{ik}+1}^{l_{sa}-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_{ik} j^{sa}}^{DS,B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=0}^i \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(l_{ik}-i^{l+1})}$$

$$\frac{(l_{ik} - i^l - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - i^l + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} - \right.$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right.$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\left. \sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-i^{l-1}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-i^{l-1}+1} \right.$$

$$\frac{(l_{ik} - i^{l-1} - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - i^{l-1} + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{sa} \leq j^{sa} + j_{sa}^{ik} \wedge j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge$$

$$l_{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{S_{j_{ik}, j^{sa}}^{DS, B}} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i^l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$l_{sa} \leq D + j_{sa} - n \Rightarrow$$

$$fz S_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg| -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \Bigg| \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Bigg| +$$

$$\sum_{k=2}^i \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_s + j_{sa}^{ik} - k)} \sum_{j_{sa}=j_{ik} - j_{sa}^{ik} + 1}^{l_{sa} - k + 1} \right)$$

$$\frac{(l_{ik} - j_{ik} - k)!}{(l_{ik} - j_{ik} - k - 1)! \cdot (j_{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik} - j_{sa} + j_{sa}^{ik} + j_{sa} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^i \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_{sa} - i + 1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D > n < n \wedge l_s \leq n + 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - n - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - 1 \leq n + j_{sa} - s \wedge$$

$$l_{ik} + j_{sa}^{ik} - 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - l_{sa} < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
& \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j_{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right. \\
& \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} \cdot \\
& \left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}-1)}^{(j_{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right. \\
& \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \quad \frac{(j_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
& \quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \\
& \left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right. \\
& \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
& \quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \\
& \left. \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{i-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right. \\
& \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot
\end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-i+1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$f_z S_{j_{ik} j_{sa}^{ik}}^{DS,B} = \left(\sum_{k=2}^l \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=l_{sa}+n-D}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1) l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}^{l_{sa}-k+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}}^{i^l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

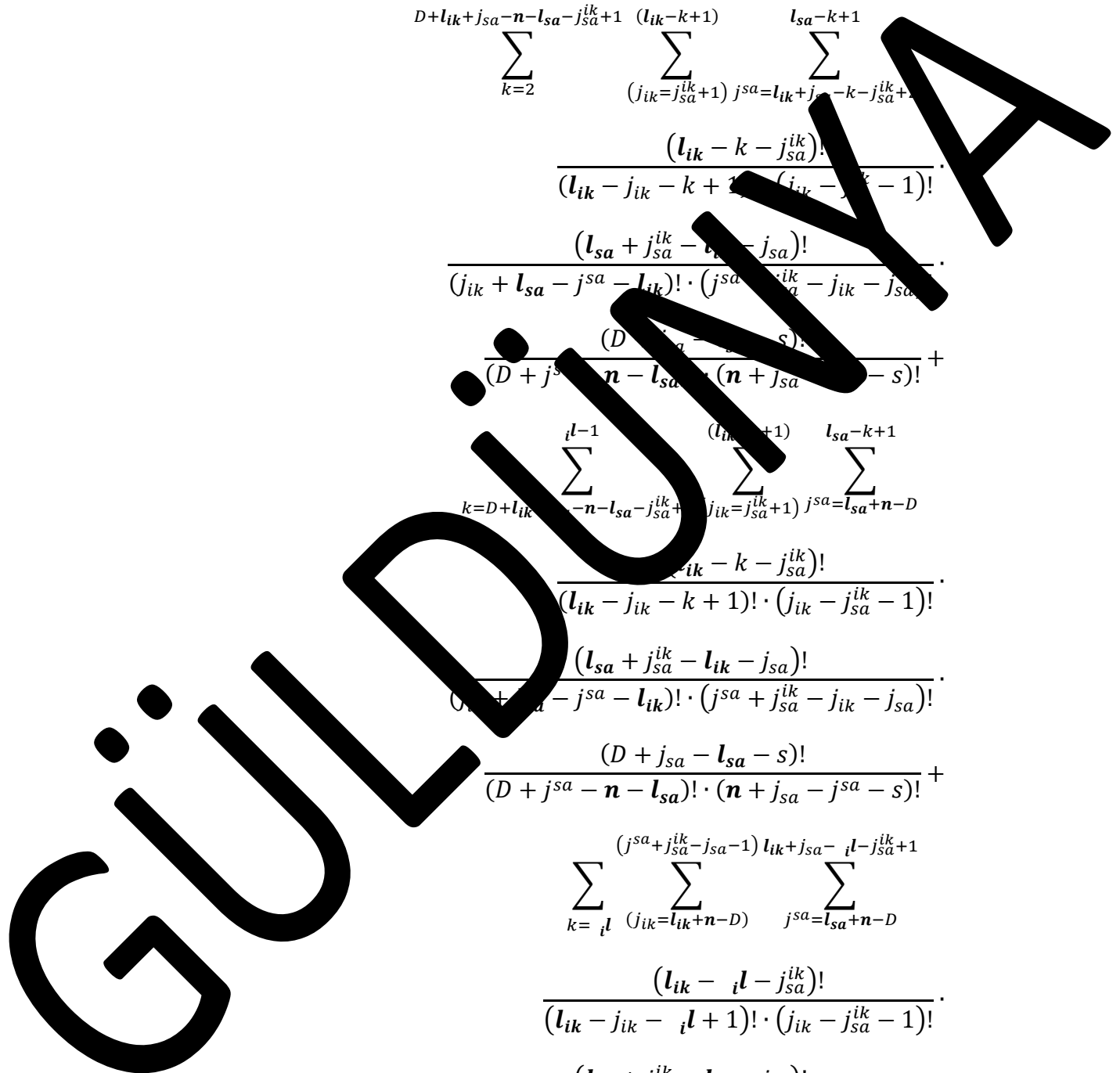
$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{(j_{ik}=l_{ik}+n-D)}^{l_{ik}+j_{sa}-i^l-j_{sa}^{ik}+1} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$\frac{(l_{ik} - i^l - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - i^l + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$



$$\sum_{k=i}^l \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-i^{l+1})} \sum_{(j_{sa}=l_{ik}+j_{sa}-i^{l-j_{sa}^{ik}+2})}^{l_{sa}-i^{l+1}}$$

$$\frac{(l_{ik}-i^l-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-i^l+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+l_{sa}-j_{sa}-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$f_z S_{j_{ik} j_{sa}^{\leftrightarrow}}^{DS,B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{(j_{sa}=l_{sa}+n-D)}^{l_s+j_{sa}-k} \right)$$

$$\frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} -$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+l_{sa}-j_{sa}-s)!} -$$

$$\left(\sum_{k=2}^{(D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{l_s+j_{sa}-k} \right)$$

$$\begin{aligned}
 & \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \\
 & \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}^{ik}+1) \dots (j_{ik}=j_{sa}^{ik}-k+1)}^{(l_s+j_{sa}^{ik}-k) \dots (l_s+j_{sa}^{ik}-k+1)} \\
 & \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^1 \sum_{(j_{ik}=j_{sa}^{ik}+1) \dots (j_{ik}=j_{sa}^{ik}-k)}^{(l_s+j_{sa}^{ik}-k) \dots (l_s+j_{sa}^{ik}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \\
 & \frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=i}^{} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-i+1} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

GÜLDENYA

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$fz S_{j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow \left(\sum_{k=2}^l \right)$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot \frac{\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_s-j_{sa}^{ik}+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)} (j_{ik}+n+j_{sa}^{ik}-j_{sa}) j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}{(j_{ik}-j_{ik}-k-j_{sa}^{ik})!} \cdot \frac{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \cdot \frac{(l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \cdot \frac{\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_s-j_{sa}^{ik}+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)} (l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1) l_{sa}-k+1}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \frac{\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_s-j_{sa}^{ik}+1} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{(l_{ik}-k+1)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} (l_{sa}-k+1)}{(j_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{i^l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{i^l-1} \sum_{(j_{ik}=j_{sa}^{ik})}^{l_{sa}-i^l+1} \sum_{j^{sa}=l_{sa}+n-D}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{ik} < D - n - 1 \wedge$$

$$j_{sa}^{ik} - j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > j^{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - l_{sa} < l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$fz_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik}-k+1)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
 & \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} \\
 & \left. + \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1)}^{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}-1}^{l_{sa}-k+1} \right. \\
 & \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \\
 & \left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa})} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right. \\
 & \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \\
 & \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{i^l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \\
 & \quad \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}
 \end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{j^{sa} + j_{sa}^{ik} - j_{sa} - 1} \sum_{(j_{ik} = l_{ik} + n - D)} \sum_{j^{sa} = l_{sa} + n - D}^{l_{ik} + j_{sa} - i - j_{sa}^{ik} + 1}$$

$$\frac{(l_{ik} - i - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - i + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{(l_{ik} - i + 1)} \sum_{(j_{ik} = l_{ik} + n - D)} \sum_{j^{sa} = l_{sa} + n - D}^{l_{ik} + j_{sa} - i - j_{sa}^{ik} + 2}$$

$$\frac{(l_{ik} - i - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - i + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - i + 1 = l_{sa} - l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - l_{sa} \leq l_{sa} \leq D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$fz S_{j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
 & \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} \\
 & \left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=j_{sa}^{ik}-1)}^{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j_{sa}=j_{ik}-D}^{l_{sa}-k+1} \right) \\
 & \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{sa}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{sa})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \\
 & \left. \sum_{k=2}^{D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right) \\
 & \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}^{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}^{sa}-s)!} + \\
 & \sum_{k=D+l_{ik}+j_{sa}-n-l_{sa}-j_{sa}^{ik}+2}^{l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \\
 & \frac{(l_{ik}-k-j_{sa}^{ik})!}{(l_{ik}-j_{ik}-k+1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}
 \end{aligned}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=0}^i \sum_{l=0}^k \sum_{j_{sa}^{ik} = l_{sa} + n - l}^{l_{sa} - i + 1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\begin{aligned} &(D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\ &j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge \\ &j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \\ &l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge \\ &l_{sa} > D + l_s + j_{sa} - n - 1 \\ &(D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\ &j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} - 1 \wedge \\ &j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \leq j^{sa} \leq n + j_{sa} - s \\ &l_{sa} - j_{sa} + 1 > l_s \\ &l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow \end{aligned}$$

$$fz^{DS,B}_{j_{ik},j^{sa} \leftrightarrow} = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-l-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1} \right)$$

$$\frac{(l_{ik} - k - j_{sa}^{ik})!}{(l_{ik} - j_{ik} - k + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \sum_{k=i}^{l_{ik}-i} \sum_{j_{ik}=i}^{l_{ik}-i-k} \sum_{j_{sa}=i}^{l_{ik}-i-k-j_{ik}+n-D} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

GÜLDÜM YA

SİMETRİDEN SEÇİLEN ÜÇ DURUMA GÖRE KALAN SİMETRİK BİTİŞİK-AYRIM BULUNMAMA OLASILIĞI

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk ve herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk ve herhangi iki bağımlı durumunun bulunabileceği olaylara bağlı, simetrisinin bitişik ve ayrık olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrisinin bulunabileceği diğer dağılımların sayısından (son olayın durumunun tek simetrik olasılıkları), simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulmama olasılığını farklılaştırmakla elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk ve herhangi iki bağımlı durumu arasında, simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk ve herhangi iki bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{fz^{DS}} fz_{j_s}^{S_1^1} - fz_{j_s, j_{ik}, j^{sa}}^{DS}$$

eşitliğin sağındaki terimlerin ifadeleri aşağıda;

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \left(\sum_{k=2}^{D+l_s+n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) \right)$$

$$\left(\sum_{k=2}^{D+l_s+n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n}^{l_{ik}-k+1} \sum_{(j_{sa}=l_s+j_{sa}-k)}^{(l_s-k)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
 \end{aligned}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

eşitlikleri elde edilir. Bu eşitliklere simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrık bulunmama olasılık eşitliği denilecektir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk ve herhangi iki bağımlı durumu arasında simetride bulunmayan bağımlı durum bulunmadık ve bulunmuş, simetrisinin ilk ve herhangi iki bağımlı durumunun bulunabileceği olaylara bağlı; simetrisinin durumların bulunmadığı dağılımların sayısına *simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrık bulunmama olasılığı* denir. Simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrık bulunmama olasılığı $fz_{j_s, j_{ik}, j^{sa}}^{DS, B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s > D - n \wedge l_s \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq n + j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=l_{ik}+j_{sa}-D-j_{sa}^{ik})}^{(j^{sa}=l_{ik}+j_{sa}-D-j_{sa}^{ik})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(j^{sa}=l_s+n+j_{sa}-D-1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \frac{\binom{l_{ik} + j_{sa} - k - j_{sa}^{ik}}{j_s - j_{ik} - j_{sa}^{ik} + 1} \binom{l_s + j_{sa} - k}{j_s - j_{sa}^{ik} + 1}}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{sa}-k+1)} \frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k+1)} \sum_{j^{sa}=n+j_{sa}-D-1}^{(l_s-k+1)} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j^{sa}=l_s+n+j_{sa}-D-1}^{(l_s-k-1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{sa}+j_{sa}^{ik}-k-j_{sa})} \sum_{j_{ik}=l_{sa}+j_{sa}^{ik}-j_s}^{(j_s+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} j_{ik}^{l_{ik}-k} \sum_{(j_{sa}=j_{sa}^{ik}-k)}^{(j_{sa}=j_{sa}^{ik}-k)} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} j_{ik}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{sa}^{ik}-k+1)}^{(j_{sa}=j_{sa}^{ik}-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=l_{sa}+j_{sa}^{ik}-j_{sa}+k}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(n-1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_s-k-1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{j_s=l_{ik}+n-D-j_{sa}^{ik}+1}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{sa}-j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(j_{sa}-j_{sa}^{ik})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{j_s=l_{ik}+n-D-j_{sa}^{ik}+1}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{sa}-j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1) \cdot (n+1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+j_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik})} \sum_{(j^{sa}=l_{sa}+n-D)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\left(\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) -$$

$$\left(\sum_{k=2}^{s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(j_{sa}^{ik}-j_{sa}-1) \cdot (l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} -$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} -$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{sa} - j_{sa})!}$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 < j_{ik} \leq j^{sa} - j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq l_s < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j_s \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s-j_{sa}-k)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+n-D)}^{(l_s-j_{sa}-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right)$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \right)$$

$$\left(\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s}^{DS,B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik})} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - n - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)} \sum_{(j_{ik}=l_{ik}+n-D)} \sum_{(j^{sa}=l_{sa}+n-D)}$$

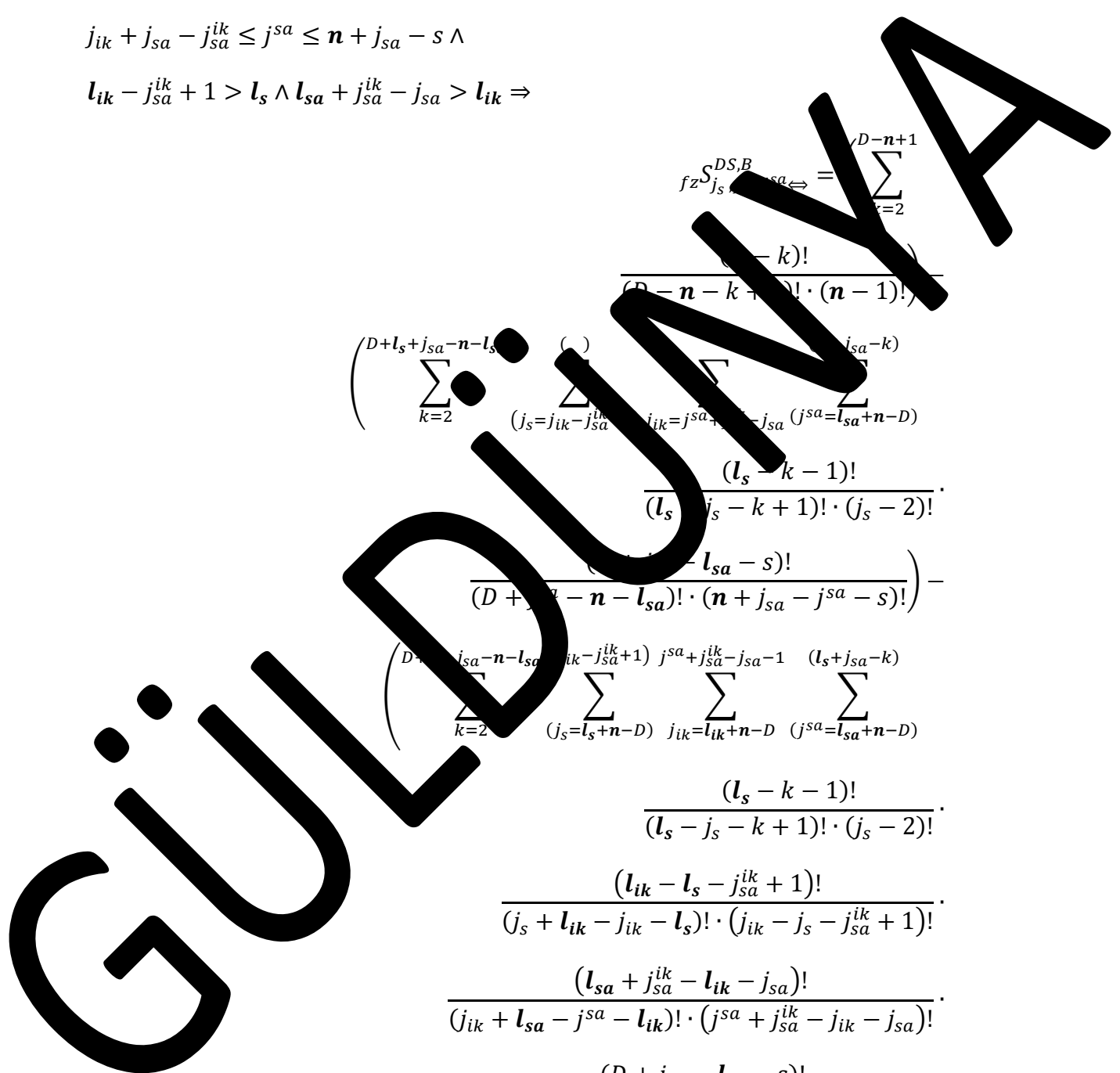
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-k+1)} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)}$$



$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}}^{(j_{ik}+j_{sa}^{ik})} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j^{sa}+j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \binom{(\quad)}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - j_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{j_{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{sa} - j_{sa})!}$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 < j_{ik} \leq j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{l_s} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge$$

$$2 \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\begin{aligned}
 & \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right. \\
 & \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-k+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right. \\
 & \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \right. \\
 & \left. \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \right)
 \end{aligned}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$\left(\sum_{k=2}^{D-n+1} S_{j_s, j_{ik}, j^{sa}}^{D, l_s} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_s-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{ik}+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} - l_s - j_{sa}^{sa} - j_{sa}^{sa})!}{(j_{ik} + l_{sa} - l_{sa} - l_{ik} - j_{sa}^{sa} - j_{sa}^{sa})! \cdot (j^{sa} + j_{sa} - j_{sa}^{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{ik} - j_{sa}^{ik} - 1 \leq j_{ik} < j^{sa} + j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa}^{sa} - l_{ik} =$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
& \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}+n-D-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
\end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-j_{sa}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-j_{sa}} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}} \frac{(l_s-j_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\left(\frac{(D+l_{sa}-l_{sa}-s)!}{(D+l_{sa}-n-l_{sa})! \cdot (n+l_{sa}-j_{sa}-s)!} \right) -$$

$$\left(\sum_{(j_s=l_{sa}+n-j_{sa}+1)}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(l_s-k)} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

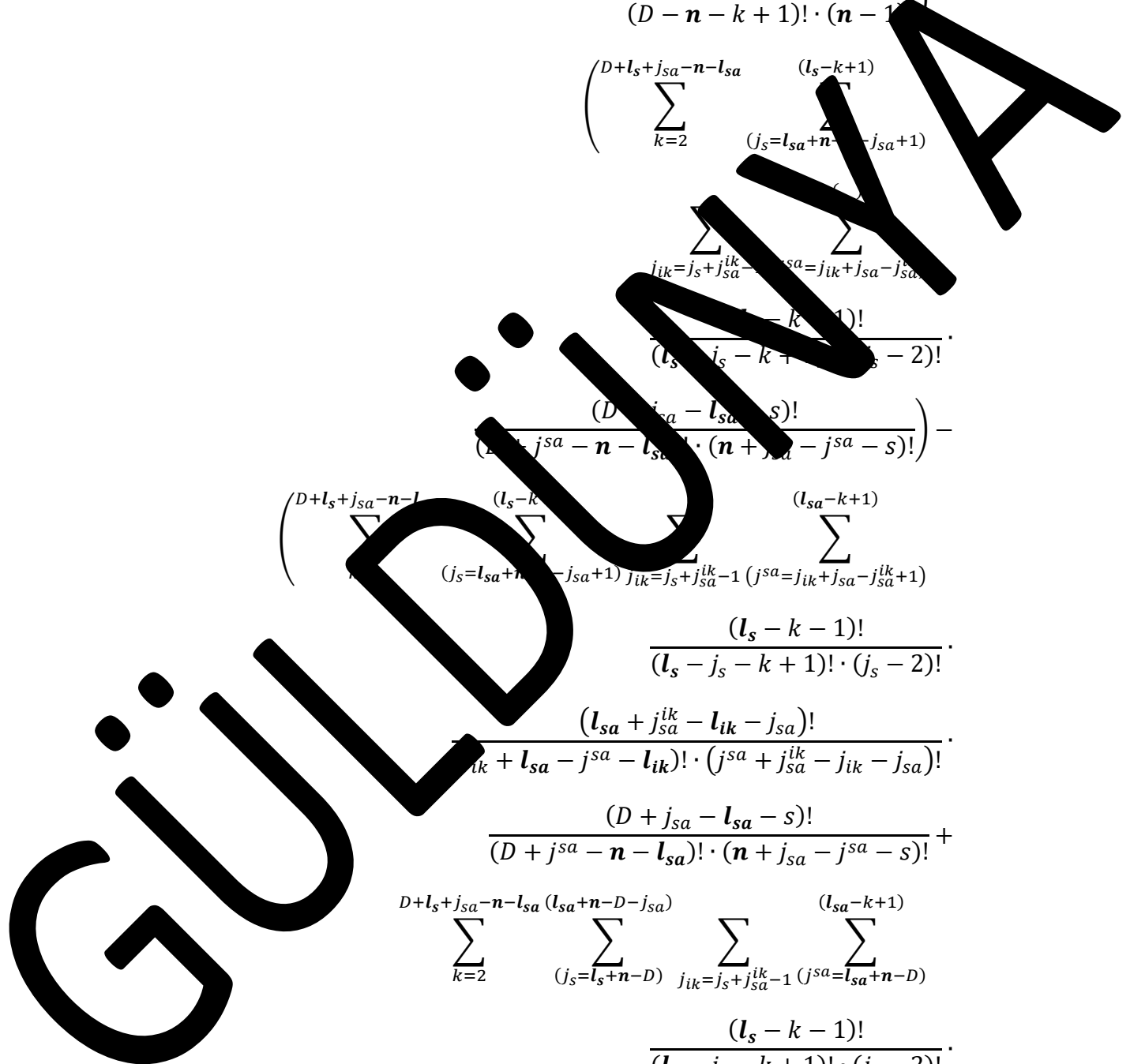
$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$



$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) -$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \binom{()}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}} \binom{()}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq l_s < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j_s \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \right. \\
 & \quad \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}}^{l_{ik}-k} \sum_{(j^{sa}=j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \right. \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \quad \frac{(l_{sa}-l_{sa}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right. \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \right) +
 \end{aligned}$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} - l_s - j_{sa} + 1)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

$$D \geq n < n+1 \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_s - j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\begin{aligned}
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}
 \end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(j_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_s} \binom{D+l_s+j_{sa}-n-l_s}{j_s=j_{ik}-j_{sa}^{ik}} \binom{D+l_s+j_{sa}-n-l_s}{j_{ik}=l_{ik}+j_{sa}^{ik}} \binom{D+l_s+j_{sa}-n-l_s}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_s=l_s+n-D} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_{ik}=l_{ik}+n-D} \binom{D+l_s+j_{sa}-n-l_{sa}}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{l_s-k+1}{j_s=l_s+n-D} \binom{l_{ik}-k+1}{j_{ik}=l_s+j_{sa}^{ik}-k+1} \binom{D+l_s+j_{sa}-n-l_{sa}}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - j_{sa}^{ik}$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} =$$

$$f_Z^{DS,B} S_{j_s, j_{ik}, j^{sa} \Leftrightarrow} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D-j_{sa}^{ik})}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \left(\right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}}^{n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \left(\right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Big)
 \end{aligned}$$

$$j_s \geq n - l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\cdot)} \sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_{sa} + 1)}^{(l_{sa} - k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\cdot)} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})}^{(\cdot)}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_s - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_s \leq n + j_{sa} - s$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} = l_{ik} \Leftrightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\cdot)} \sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_{sa} + 1)}^{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$\sum_{k=2}^s \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{(j_s=j_{sa}^{lk+1})}^{()} \sum_{(j^{sa}=j_{sa}^{lk}-j_{sa})}^{(l_s+j_{sa}-k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_{sa} + j_{sa}^{ik} - k - j_{sa} + 1} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\quad)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)} \sum_{j_{ik} = j_{sa}^{ik} + 1} \sum_{(j^{sa} = j_{sa})}^{(\quad)}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n \wedge l_s \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_s \leq n + j_{sa} - j_s$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Leftrightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_{ik} - k + 1} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\quad)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$\sum_{k=2}^s \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_s=1}^{i-2} \sum_{(j_s=j_s)}^{()} \sum_{k=j_{sa}^{lk}+1}^{j_{sa}^{lk}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fzS_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_s=2)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i^l}^{(j_s-1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j^{sa}=j_{sa})} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n \wedge l_s \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_s \leq n + j_{sa} - j^{sa}$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} = l_{ik} \Leftrightarrow$$

$$fzS_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{j_{sa}=j_{sa}}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$

$f_z^{S_{j_s, j_{sa}^{sa}}} \Leftrightarrow = \sum_{k=2}^S \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{l_s - 1} \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{lk} - 1} \sum_{j_{sa}=j_{ik} + j_{sa} - j_{sa}^{ik}}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

$$\sum_{k=1}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{j_{sa}=j_{sa}}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa} \leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}^{ik}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik})} \frac{(l_s-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa}-s)! \cdot (n+j_{sa}-j^{sa}-s)!} \right) -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j^{sa}=j_{sa}^{ik})}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa}-s)! \cdot (n-l_{sa})! \cdot (n-s)!} \right) -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_{sa}^{ik}+2)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) +$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right)$$

GÜLDÜZ

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\begin{aligned}
 & \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \binom{()}{j_{ik}=j_{sa}^{ik}+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=2}^1 \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \binom{()}{j_{ik}=j_{sa}^{ik}+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_s+j_{sa}-k+1)} \sum_{(j^{sa}=l_s+j_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=i} \sum_{(j_s=1)} \binom{()}{j_{ik}=j_{sa}^{ik}} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=j_{sa}+1)} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa} \leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-)} \right)$$

$$\frac{(l_s - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{(j_s=j^{sa})}^{(\cdot)} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \right)$$

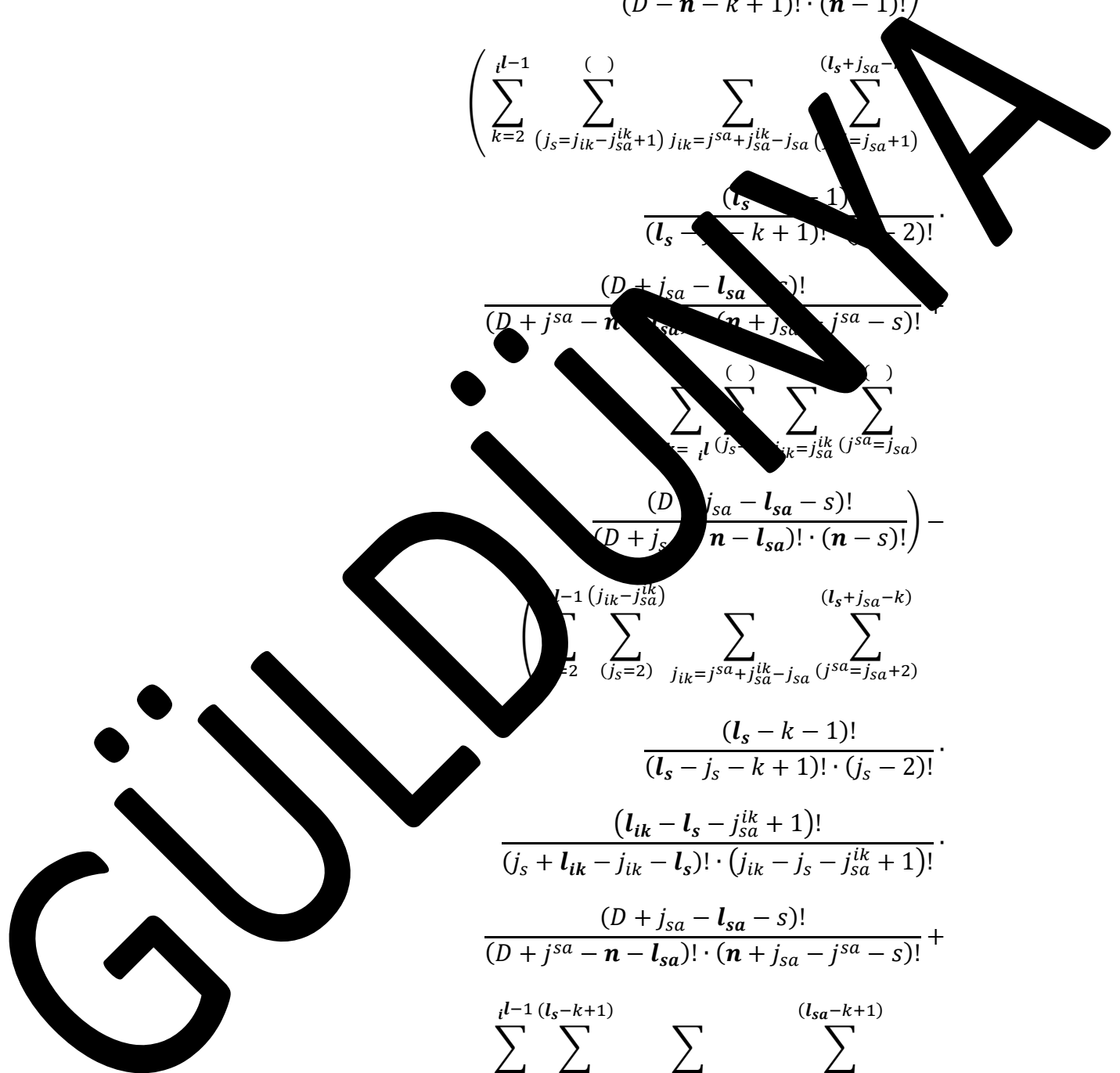
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{\binom{()}{i}} \sum_{(j_s=1)}^{(l_{sa}-i+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s)$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}-k)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{lk}+1} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{lk} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{lk} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{lk}+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

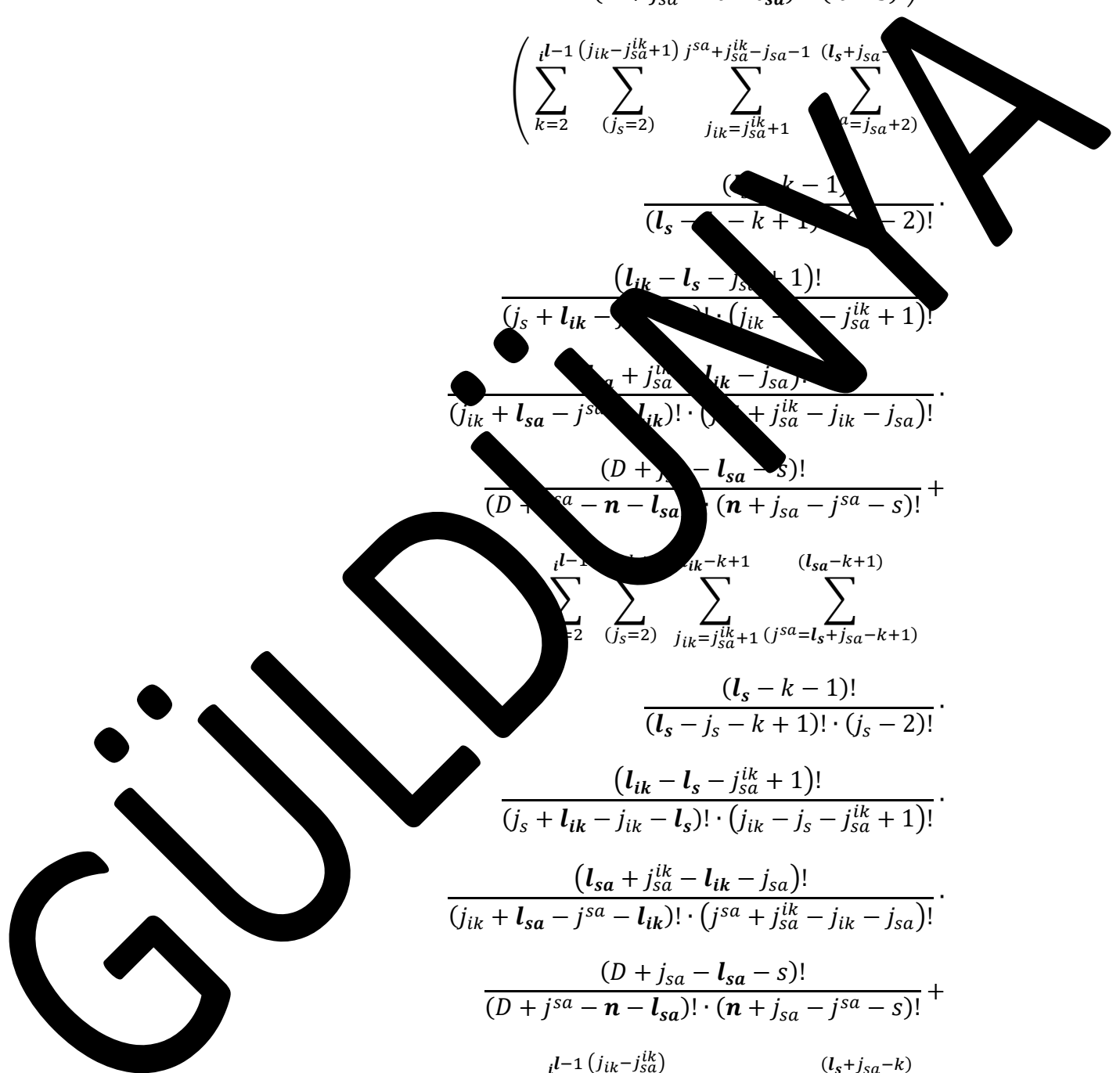
$$\frac{(l_{ik} - l_s - j_{sa}^{lk} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{lk} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{lk}+j_{sa}^{lk}-j_{sa}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i+1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i+1)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{sa})! \cdot (j^{sa} + j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{j^{sa}=j_{sa}}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{()} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{ik}-k+1} \sum_{j^{sa}=j_{ik}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (n - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - j_{sa}^{ik})! \cdot (j_{sa} + j_{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{j^{sa}=j_{sa}+1}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \Big)$$

$$D > n < n \wedge l_{sa} = D + j_{sa} - s$$

$$1 \leq j_s = j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} < j^{sa} < j_{sa} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
& \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!} \\
& \left. \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{()} \right) \right. \\
& \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
& \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
& \quad \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=j_{sa}+1)}^{()} \\
& \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
\end{aligned}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i_l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j_{ik}-j_{sa}^{ik})} \frac{(l_s-j_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-n-l_{sa})!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=2}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{sa}=j_{sa})} \frac{(l_s+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{(j_{ik}-j_{sa}^{ik})-1} \sum_{(j_s=2)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=2}^{i_l-1} \sum_{(j_s=2)}^{(l_s+j_{sa}^{ik}-k-j_{sa}+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right)$$

GÜLDENYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-i-l-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik}) \vee$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s) \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\begin{aligned}
 & \sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{lk}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk}+1)}^{(l_{sa}-k+1)} \right. \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{lk} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{lk} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left. \sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k)} \sum_{j_{ik}=l_s+j_{sa}^{lk}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{lk} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{lk} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k)} \sum_{j_{ik}=l_s+j_{sa}^{lk}-k+2} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
 \end{aligned}$$

GÜLDENWA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{l-1} \sum_{(j_s=1)}^{l_{ik}-i} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_s - j_{sa}^{ik} + 1)! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} > l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=2)}^{(l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik})}^{(l_{sa} - k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{()} \sum_{j_{ik}=j_s + j_{sa}^{lk} - 1} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{lk} + 1)}^{(l_{sa} - k + 1)} \frac{(l_{sa} - k + 1)!}{(l_s - k + 1)! \cdot (n - k + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - j_{sa}^{lk})! \cdot (j_{sa} + j_{sa} - j_{ik} - j_{sa})!} \right) -$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})!} + \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa} - i + 1)} \frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{lk} - j_{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$D > n < n \wedge l_{sa} = D + j_{sa} - s$$

$$1 \leq j_s = j_{ik} - j_{sa}^{lk} + 1 \wedge j_s + j_{sa}^{lk} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{lk} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{lk} < j^{sa} < j_{sa} + j_{sa} - s \wedge$$

$$l_{ik} + j_{sa}^{lk} - 1 = l_s \wedge l_{sa} + j_{sa}^{lk} - j_{sa} > l_{ik} \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa} \Leftrightarrow}} = \left(\sum_{k=2}^i \right) -$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}(l_s-k+1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{(\quad)}{\quad} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \sum_{k=1} \sum_{(j_s=1)} \sum_{j_{ik} \geq 1} \sum_{(j^{sa}=j_{sa})} \binom{(\quad)}{\quad} \binom{(\quad)}{\quad} \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!} \\
 & \left. \left(\sum_{k=2}^{i^{l-1}(l_s-k+1)} \sum_{(j_s=2)} \sum_{j_{ik} \geq 1 + j_{sa}^{ik} - 1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \binom{(\quad)}{\quad} \right) \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)} \binom{(\quad)}{\quad} \binom{(l_{sa}-i+1)}{\quad} \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i_l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-j_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-n-l_{sa})!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-s)!} + \sum_{k=1}^{i_l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \frac{(l_s+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i_l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=1}^{i_l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_{ik}-i_l+1)!}{(l_{ik}-j_{ik}-l_s+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \right)$$

GÜLDENYA

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s) \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} f_z^{S_{j_s, j_{ik}}} \frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} - \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=2}^{i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} - \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(l_{sa} - i^{l-1} + 1)} \sum_{(j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} + 1)}$$

$$\frac{(l_s - j_s - i^{l-1} + 1)! \cdot (j_s - i^{l-1} + 1)!}{(l_s - j_s - i^{l-1} + 1)! \cdot (j_s - i^{l-1} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{l_{ik} - i^{l+1}} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D > n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa} \leftrightarrow}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik})} \frac{(l_s - 1)!}{(l_s - k + 1)! \cdot (s - 2)!} \cdot \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa} - s)! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right)$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa})! \cdot (j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right)$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \dots$$

$D \geq n < n \wedge l_s \leq D - n \wedge \dots$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s$

$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$

$D + j_{sa} - n < l_{sa} \wedge D + l_s - j_{sa}^{ik} - n - 1 \Rightarrow$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \dots \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \dots \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right. \\
 & \quad \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \quad \left. \sum_{k=1}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-k+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_s-k)} \right. \\
 & \quad \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \quad \left. \sum_{k=i^{l-1}}^{D+l_s+j_{sa}-n-l_{sa}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right. \\
 & \quad \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \quad \left. \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)}^{()} \right)
 \end{aligned}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

GÜLDENYA

$$\left(\sum_{k=2}^{(D+l_s+l_{sa})} \sum_{(j_s=k-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \right) +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=i} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

$$(D \geq n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2} \dots \right)$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (j_s - k)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_s=j_{sa}-j_{sa}^{ik}+1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{sa}=j_{sa}+n-D}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_s=2}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j_{sa}=l_{sa}+n-D}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_s=2}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{j_{sa}=l_s+j_{sa}-k+1}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{(k)}}^{(j_{sa}-k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{k-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

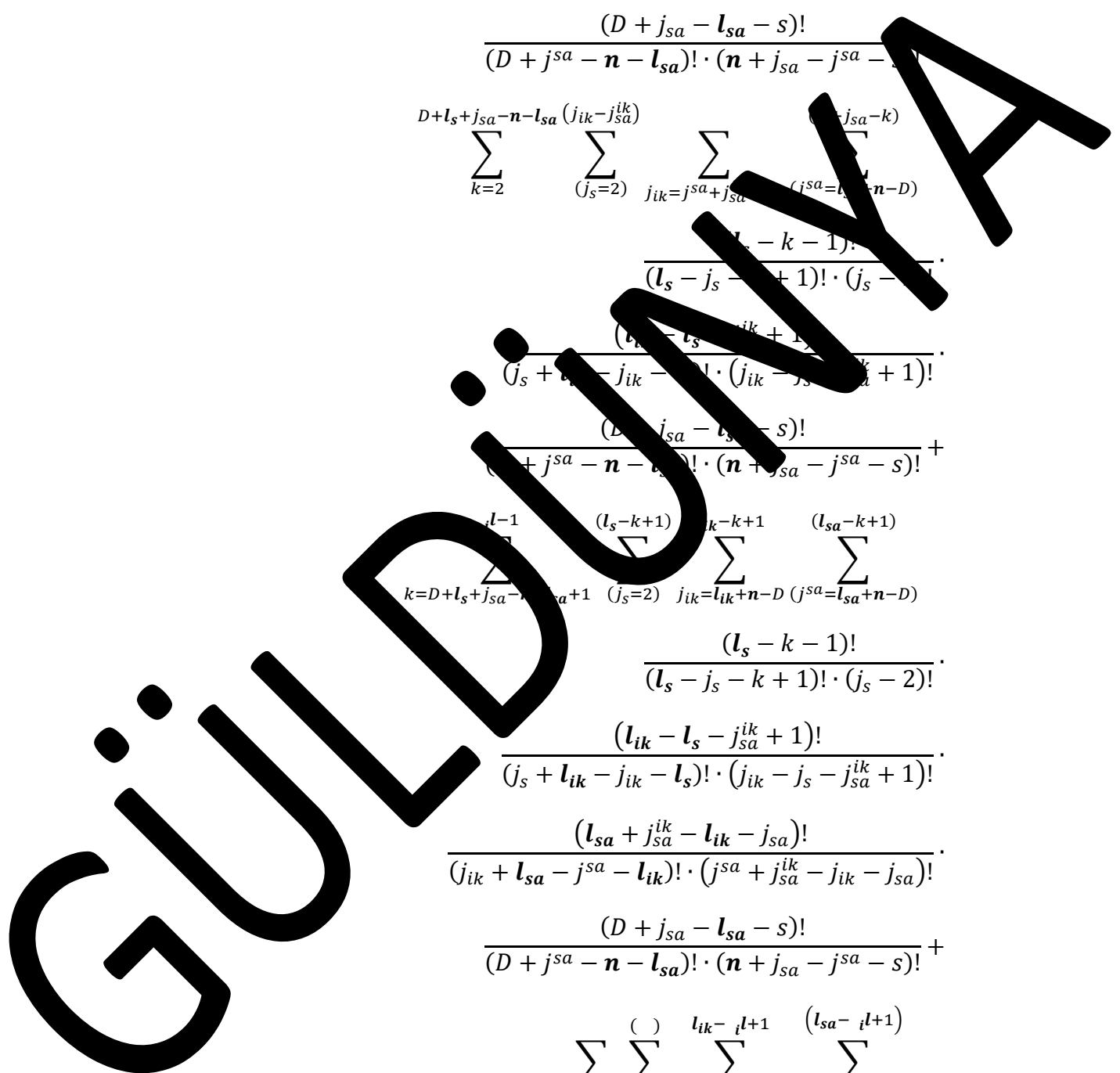
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{l_{ik}-i^{l+1}} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

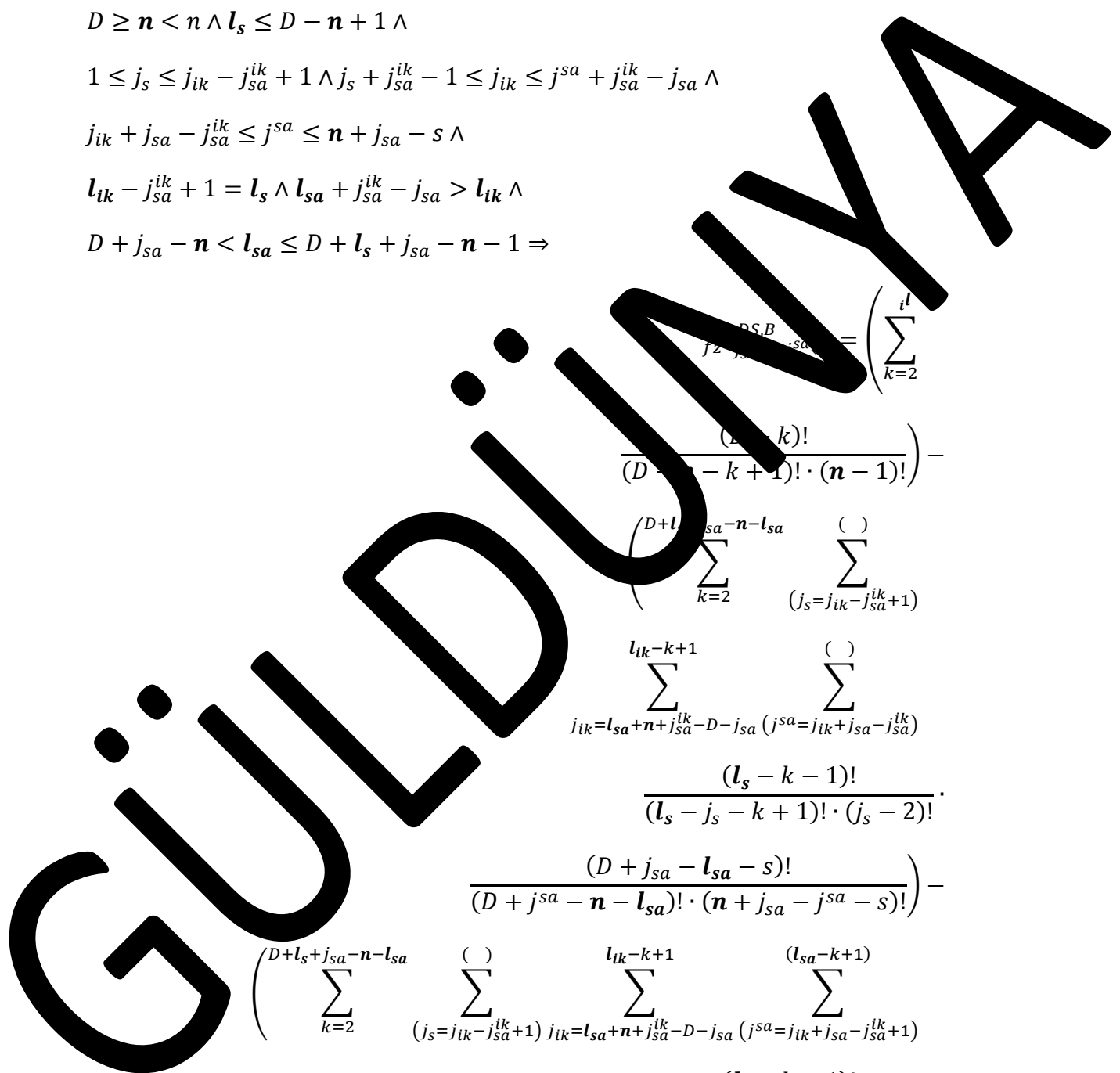
$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$



$$= \left(\sum_{k=2}^{i^l} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_s=j_{ik}-j_{sa}^{ik}+1} \right) -$$

$$\frac{(l_s - k)!}{(D + j_{sa} - n - l_{sa} - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \binom{l_{ik}-k+1}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \binom{l_{ik}-k+1}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_{sa}-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{(l_{sa}-i^{l+1})} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

$$D - n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}} \Leftrightarrow = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_s}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \binom{(\quad)}{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{\binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - j^{sa} - s)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik} - j_{sa} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{j_s=l}^{i^{l-1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq n \wedge j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - l_{sa} \leq l_{ik} \leq D - l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz^{DS,B}_{j_s, j_{ik}, j^{sa} \Leftrightarrow} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{\binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{\sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{j_{ik}-j_{sa}^{ik}}{\sum_{j_s=2}^{l_s+j_{sa}^{ik}-k} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-j_{sa}}^{j_{sa}^{ik}-j_{sa}} \binom{j_{sa}^{ik}}{j_{sa}^{ik}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

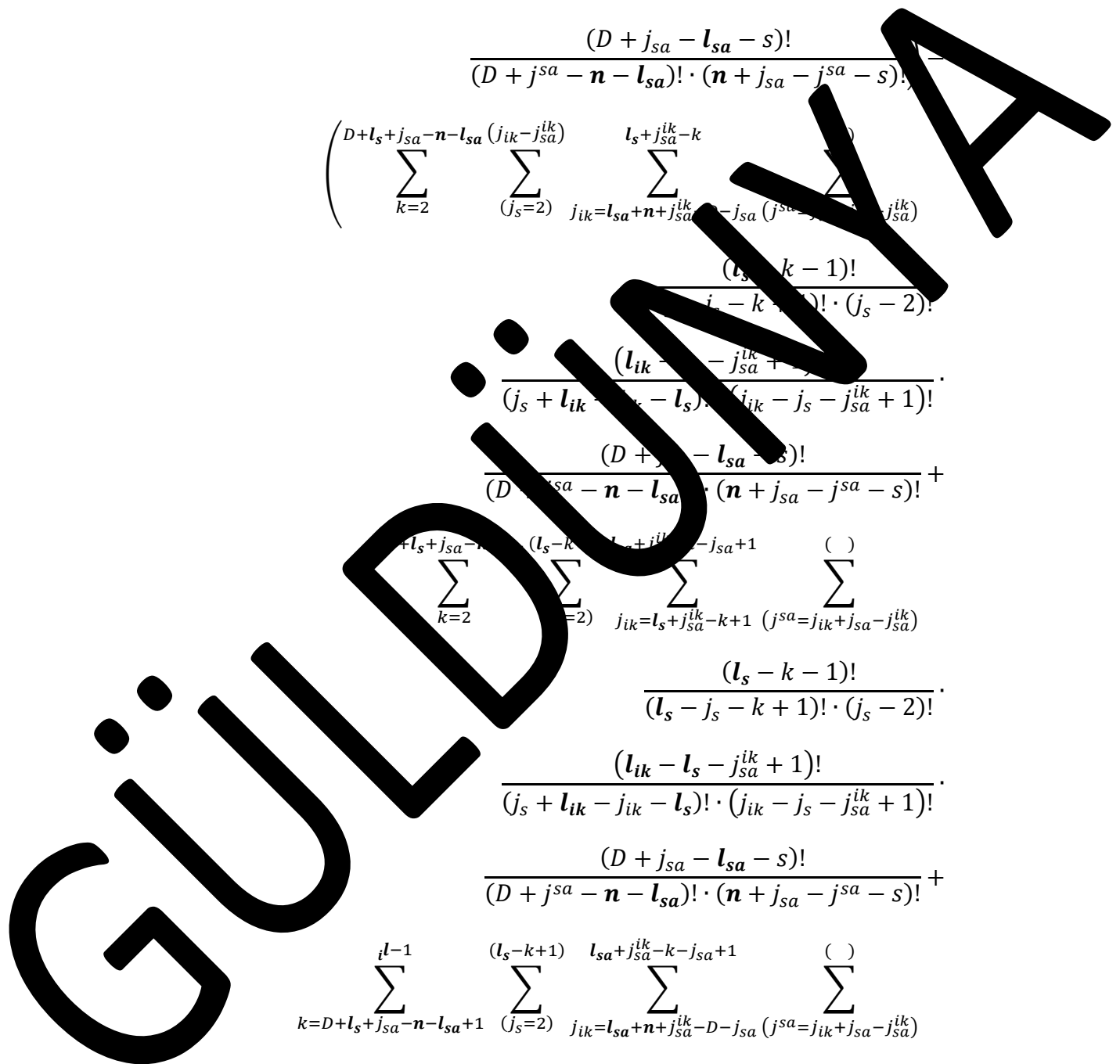
$$\sum_{k=2}^{l_s+j_{sa}^{ik}-k} \binom{(l_s-k)}{\sum_{j_s=2}^{l_s+i_{ik}^{ik}-j_{sa}+1} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{j_{sa}^{ik}-j_{sa}+1} \binom{(\quad)}{j_{sa}^{ik}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i-1} \binom{(l_s-k+1)}{\sum_{j_s=2}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{j_{sa}^{ik}} \binom{(\quad)}{j_{sa}^{ik}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$



$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-i-l_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s$$

$$(D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
 \end{aligned}$$

GÜLDENYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D}^{l_s+j_{sa}^{ik}-k} \sum_{j_{sa}=j_{ik}+j_{sa}^{ik}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{k-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^{(l)} \sum_{(j_s=1)}^{(l_{ik}-i^{l+1})} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

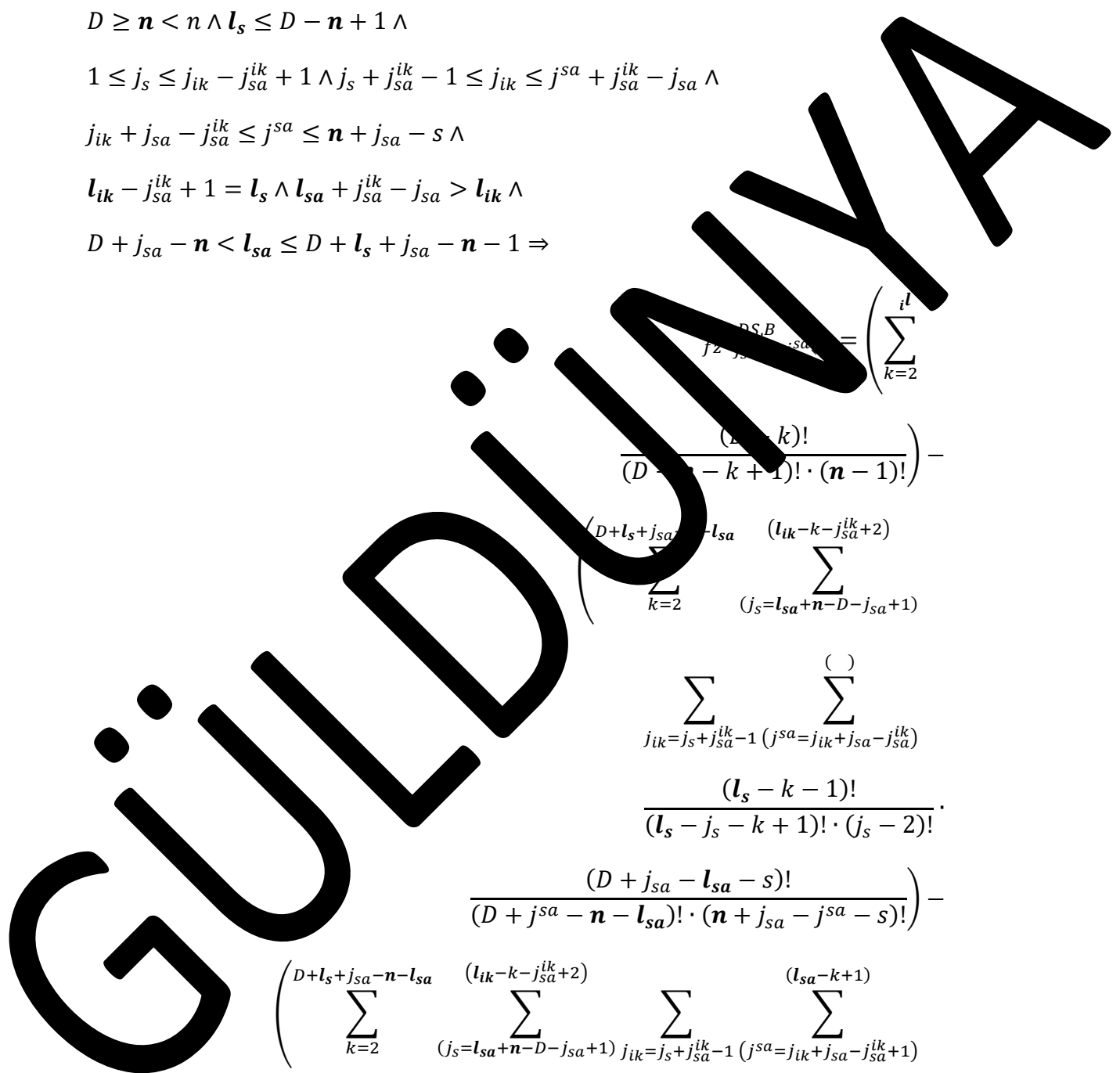
$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$



$$j_{sa}^{ik} = \left(\sum_{k=2}^{i^l} \dots \right)$$

$$\frac{(l_s - k)!}{(D + j_{sa} - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-l_{sa}+1}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_{sa}=n-l_{sa}+1}^{l_s+1} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{j_s+l_{sa}-1} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{j_s+l_{sa}-1}$$

$$\frac{(l_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_{sa}=n-l_{sa}+1}^{l_s+1} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{j_s+l_{sa}-1} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{j^{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - j^{sa} \leq n + j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - j_{sa} \leq l_{ik} \leq D - l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz^{DS,B}_{j_s, j_{ik}, j^{sa} \Leftrightarrow} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{lk}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-i-l_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s$$

$$(D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \Rightarrow$$

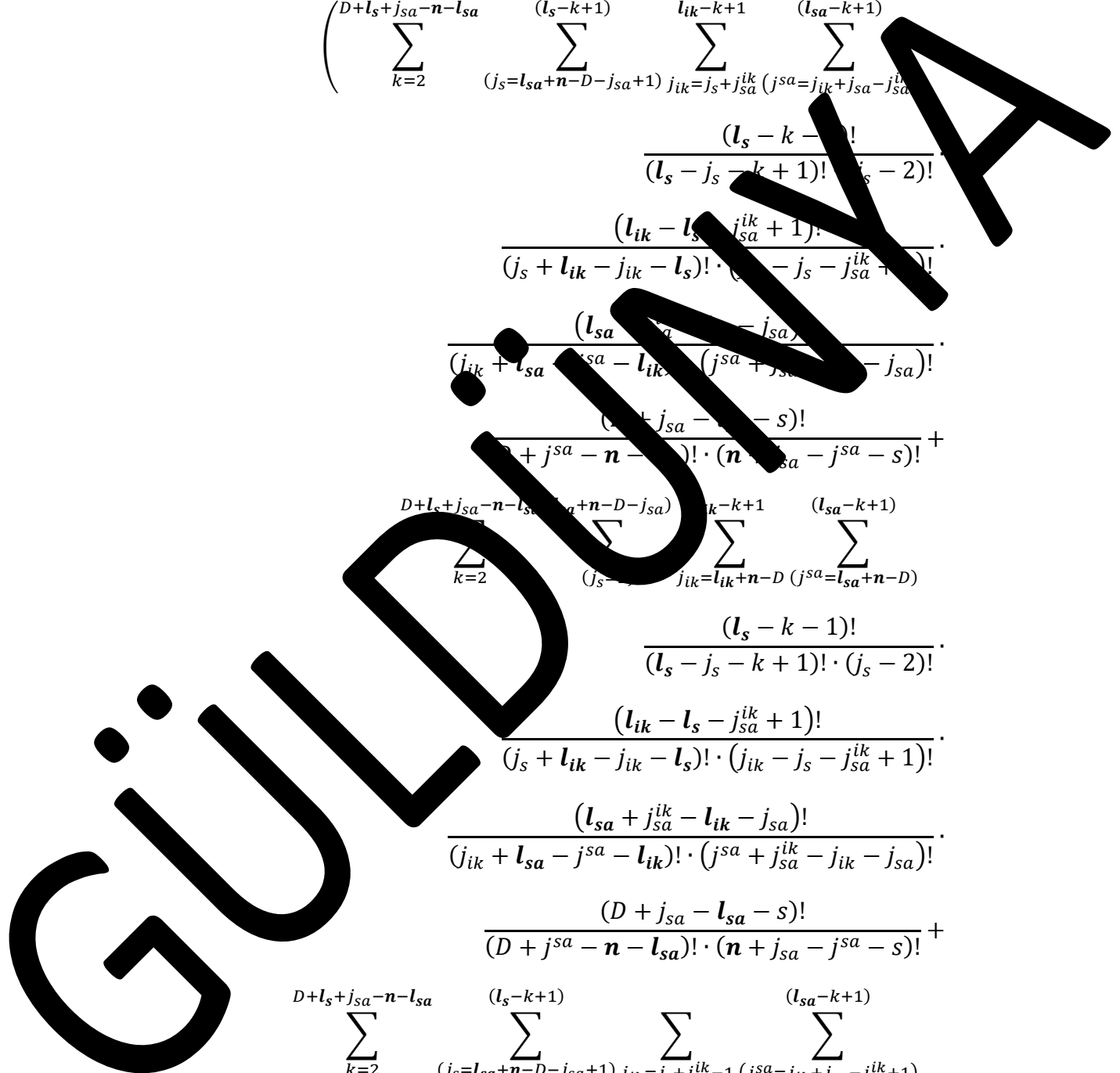
$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa})}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
 \end{aligned}$$



$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - j_s^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i^l}^{(j_s-1)} \sum_{(j_s=1)}^{l_{ik}-k+1} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_s + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n - n \wedge l_s \leq D - i^l + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^k+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_{ik}+n-j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_s=j_{sa}^k)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

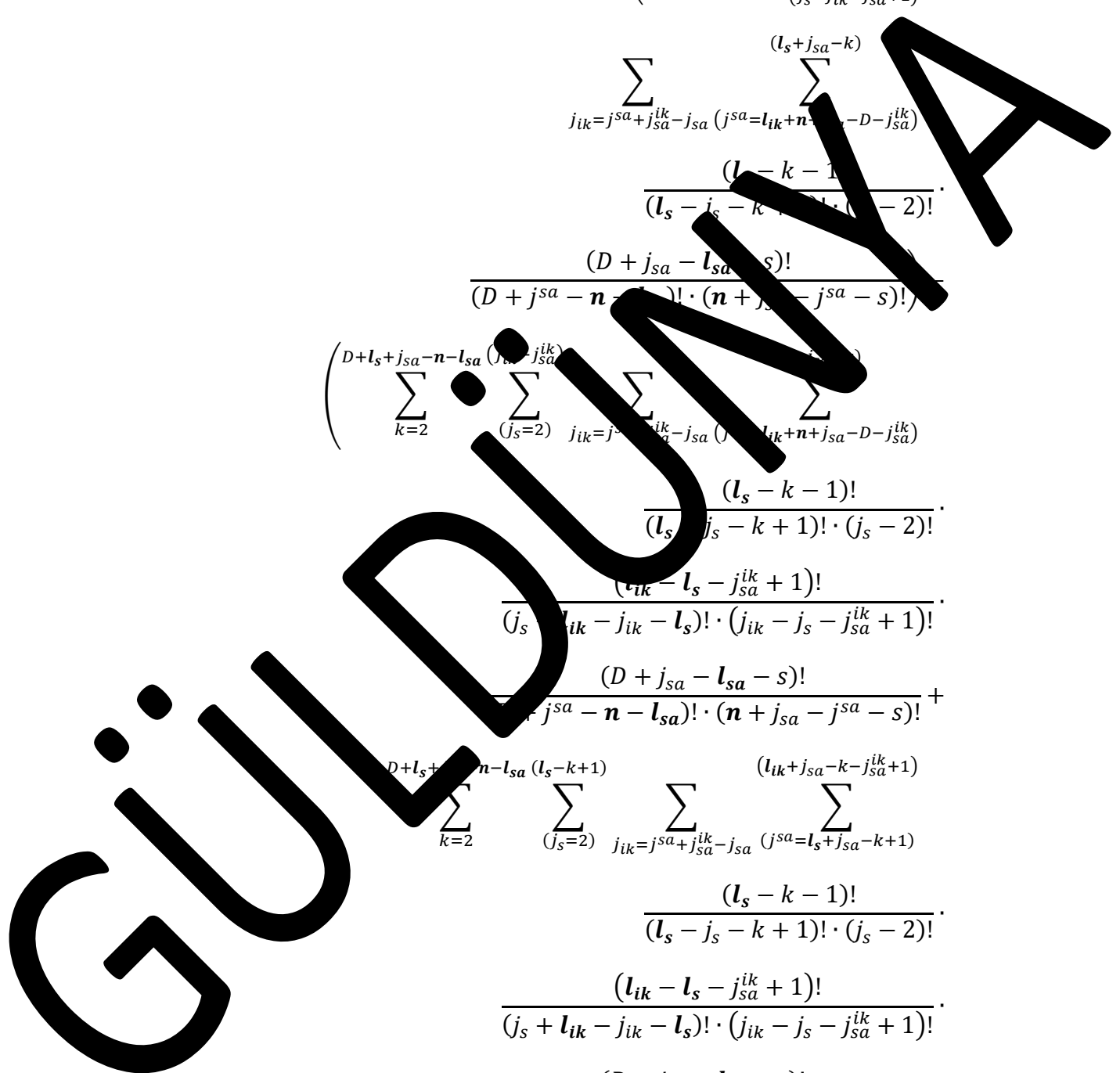
$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_{ik}+j_{sa}-j_{sa}^{ik})}^{(n+j_{sa}-j^{sa}-j_{sa}^{ik})} \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - j^{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_s \leq D + l_s + j_{sa}^{ik} - n - 1 =$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{()}{j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}-k+1}^{l_{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{()}{j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{()}{j_{sa}}$$

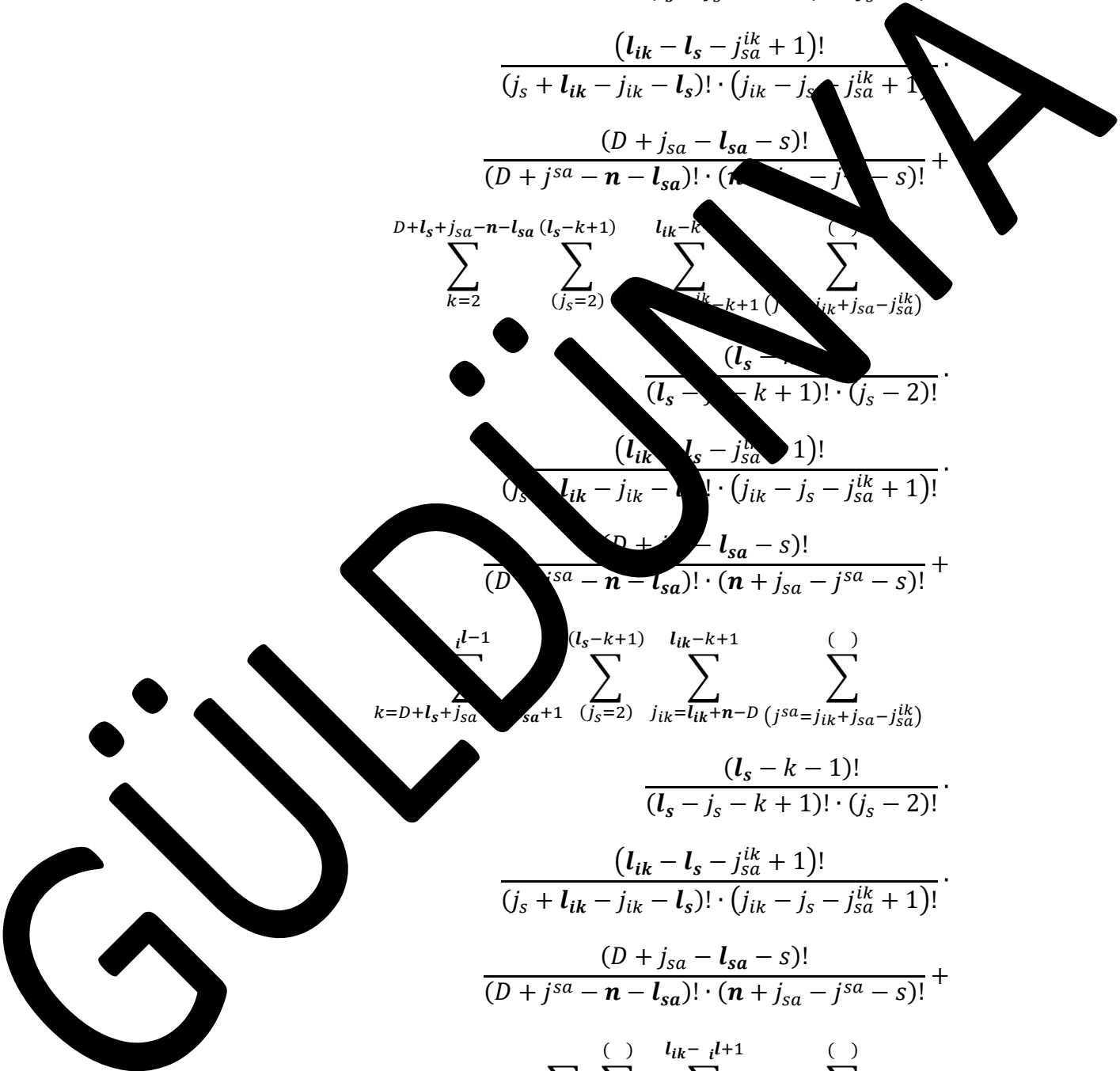
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=l_{ik}-i+1}^{l_{ik}-i+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{()}{j_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$



$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$\binom{l}{k}$
 $f_{DS,B}^{j_{ik}, j^{sa}} \Leftrightarrow$

$$\frac{\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}}{(D - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\frac{\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \dots$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_s-1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \dots$$

$$\sum_{j_s=1}^{(i^l)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^l+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_s-1)} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - i^l + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$$

$$fz_{j_s j_{ik} j^{sa}}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1} \sum_{(j^{sa}=l_{sa} + n - D)}^{(l_{sa} - k + 1)} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - n - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{(j_s=1)}^{(j_s=i^{l+1})} \sum_{(j_{sa}^{ik}=j_{sa}^{ik})} \sum_{(j^{sa}=l_{sa} + n - D)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Big)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_s \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + 1 -$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right.$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=l_{ik} + n - D}^{l_{ik} - k + 1} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=2}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n}^{l_{ik}-i^{l+1}} \dots$$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_s \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} > l_{ik} \wedge$

$l_{sa} > D + l_s + j_s - n - 1) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_s \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{sa} - j_{sa} > l_s \wedge$

$l_{sa} > D + l_s + j_s - n - 1) \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{i+n-D})}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=l}^{l-1} \sum_{(j_s=1)}^{l_{ik}} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j^{sa}=l_{i+n-D})} \frac{(l_{ik} - l - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge$$

$$l_{ik} - l + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$

$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s)}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k-j_{sa}^{ik}+1)}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

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$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_s+j_{sa}-k)}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=j^{sa}+l_{ik}-l_{sa})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=j^{sa}+l_{ik}-l_{sa})}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=j^{sa}+l_{ik}-l_{sa})} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=j^{sa}+l_{ik}-l_{sa})} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$

$\frac{(D - n - k + 1)!}{(n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-k)}^{()} \sum_{(j_{ik}=l_{sa}+n+1)}^{l_{sa}^{ik-k-j_{sa}}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=l_{ik}+n-D)}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{ik}-k+1)} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$\frac{(D - n - k + 1)!}{(n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-k)}^{()} \sum_{(j_{ik}=l_{sa}+n+1)}^{()} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

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$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=l_{ik}+n-D)}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(l_s - k - 1)! \cdot (j_s - 2)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=k+n-D}^{l_s+j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

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$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{n+1}$

$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-l_{ik})}^{(l_{ik}-k+1)} \sum_{(j_{ik}=l_s+n-k)}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(l_{ik}-k+1)}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

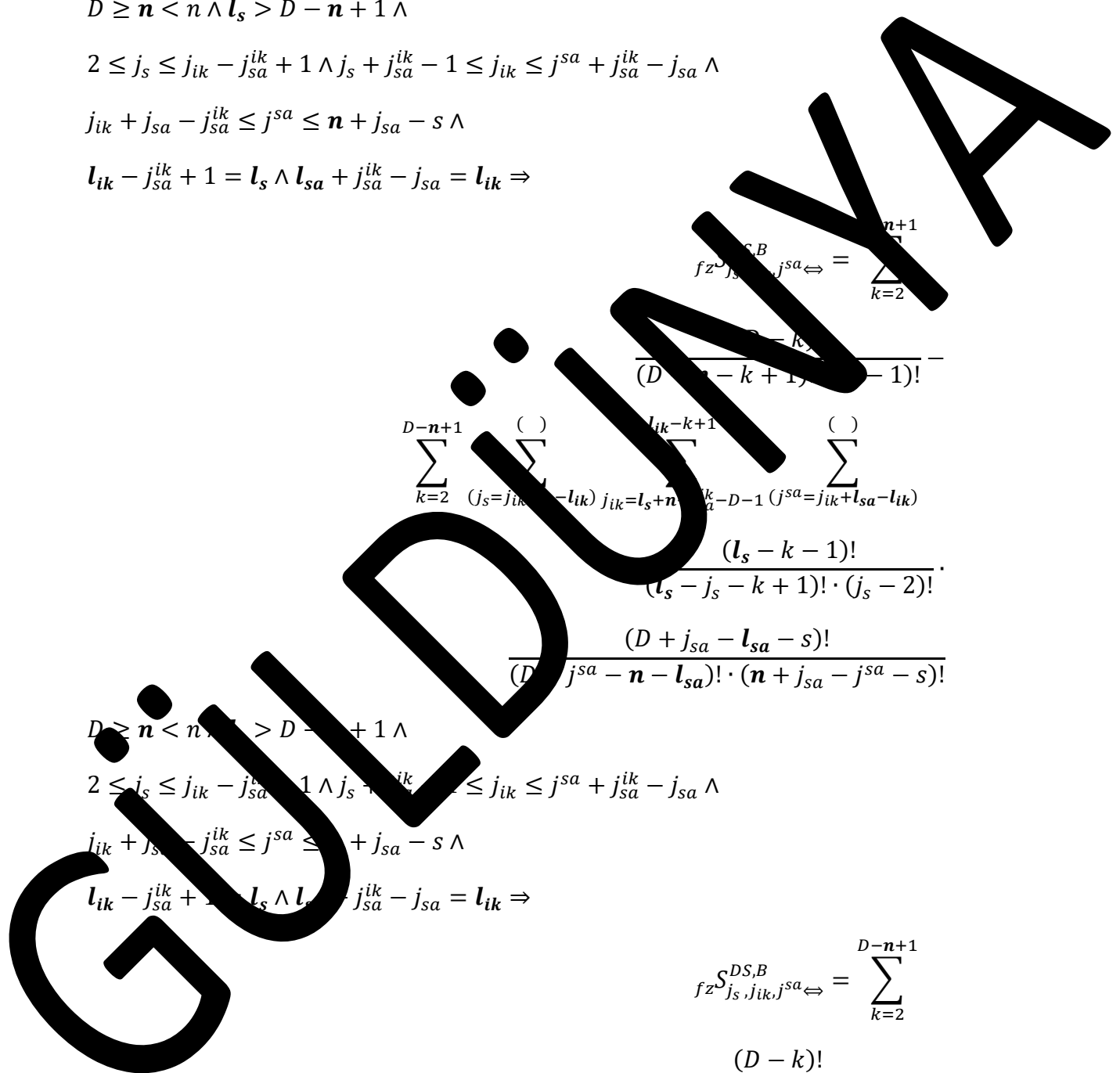
$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{(j_{ik}=j_s+l_{ik}-l_s)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(l_{sa}-k-j_{sa}+2)}$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_s+l_{ik}-l_s)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{()} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

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$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{n+1}$

$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_s+l_{ik}-l_s)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

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$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_s+l_{ik}-l_s)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}-j_{sa}^{ik}+1)}^{(l_{sa}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_s+l_{ik}-l_s)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-l_{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_s+l_{ik}-l_s)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{n+1}$

$\frac{(D - n - k + 1)!}{(l_s - k - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{j_s=l_s+n-D}^{(l_{sa}-k-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}}^{()}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{j_s=l_s+n-D}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}}^{()}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{sa}^{sa}} = \sum_{k=2}^{n+1} \binom{n+1}{k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{k} \sum_{(j_s=j_{ik}-l_{ik})} \sum_{j_{ik}=j^{sa}-k-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \binom{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}{j^{sa}} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{l_s+j_{sa}-n-l_{sa}} \binom{l_s+j_{sa}-n-l_{sa}}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D} \sum_{(j^{sa}=l_{sa}+n-D)} \binom{j^{sa}+j_{sa}^{ik}-j_{sa}-1}{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)} \binom{l_{sa}-k+1}{j^{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{l_{ik}=l_{ik}+j_{sa}-D}^{l_{ik}-k+1} \sum_{\binom{()}{j^{sa}=l_{sa}+n-D}}^{l_s-k+1}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j^{sa} - j_{ik} - l_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa} - j_{sa}^{ik} - l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{()}{j^{sa}=l_{sa}+n-D}}^{l_s+j_{sa}-k} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$

$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n+1}^{n+1} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Big)
 \end{aligned}$$

$$0 \geq n < l_s \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-l_{sa})} \right) \cdot \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_{sa}-k)} \right) \cdot \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \cdot \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\sum_{k=2}^{D+l_{sa}-n-l_{sa}} \binom{D+l_{sa}-n-l_{sa}}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{D+l_{sa}-n-l_{sa}}{j_s}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \binom{l_{ik}-k+1}{j_{ik}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{l_{ik}-k+1}{j^{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{D+l_s+j_{sa}-n-l_{sa}}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{D+l_s+j_{sa}-n-l_{sa}}{j_s} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \binom{l_{ik}-k+1}{j_{ik}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \binom{l_{sa}-k+1}{j^{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-l_{sa}+1}^{D-n+1} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$D \geq n < n, l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa} + 1 \wedge j_s + j_{sa}^{ik} - j_{ik} \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} - j_{sa} + j_{sa} = s \wedge$

$l_{ik} - j_{sa}^{ik} + j_{sa} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$

$$\begin{aligned}
 f_{zS}^{DS,B}_{j_s, j_{ik}, j^{sa}} &= \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \right)
 \end{aligned}$$

$$\begin{aligned}
 & \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa}^{ik} - s)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa}^{ik} - s)!} + \\
 & \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-j_{sa}-1}^{l_s+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa}^{ik} - s)!} + \\
 & \left. \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \left. \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right)
 \end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{l_s + j_{sa} - 1} \binom{l_s + j_{sa} - k}{j_s = j_{ik} - j_{sa}^{ik} + 1}$$

$$\sum_{k=2}^{l_s + j_{sa} - k} \binom{l_s + j_{sa} - k}{j^{sa} = j_{ik} + l_{sa} - l_{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

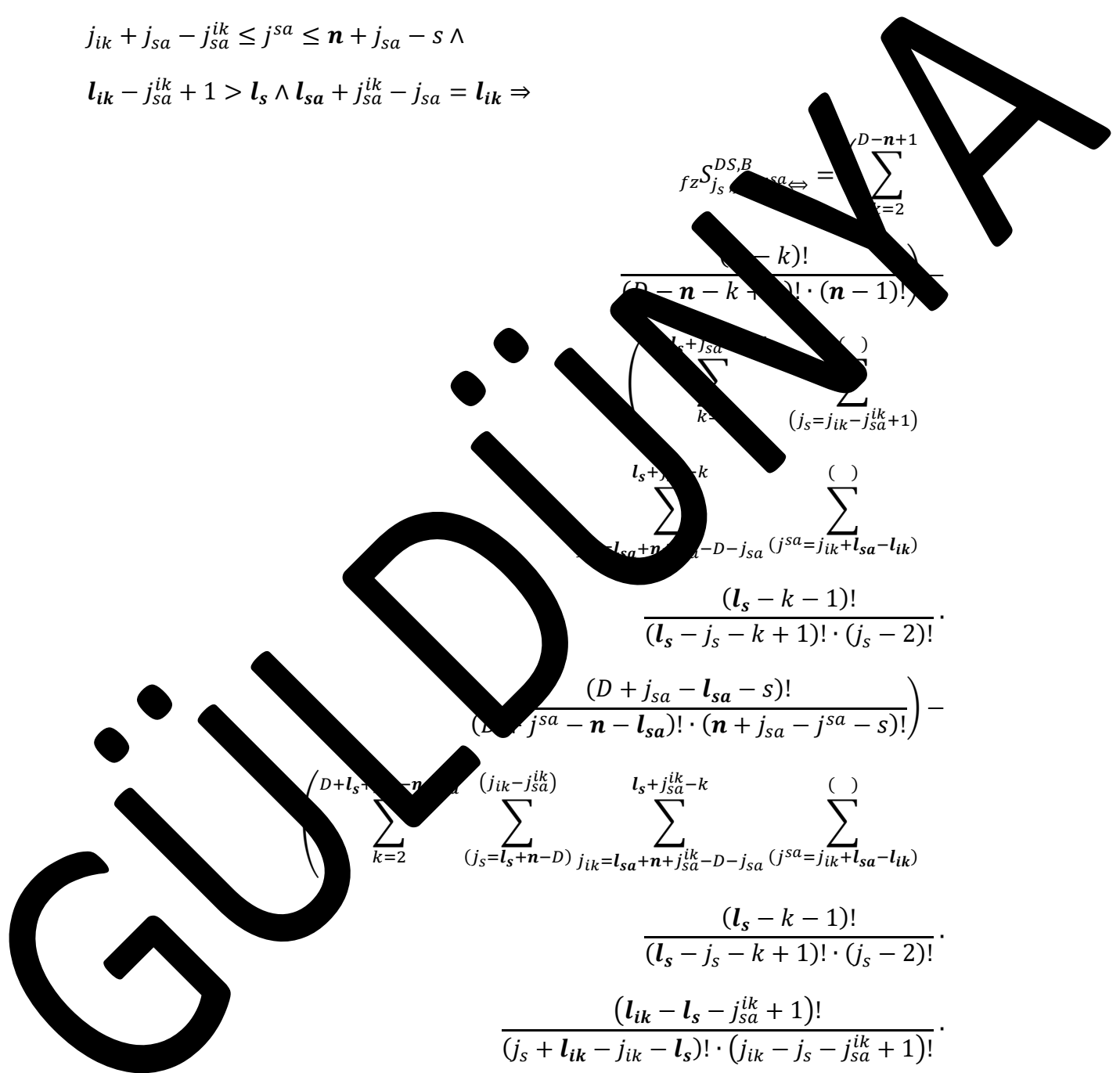
$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{D+l_s+n-j_{sa}^{ik}} \binom{j_{ik} - j_{sa}^{ik}}{j_s = l_s + n - D} \sum_{j_{ik} = l_{sa} + n + j_{sa}^{ik} - D - j_{sa}}^{l_s + j_{sa}^{ik} - k} \binom{l_s + j_{sa}^{ik} - k}{j^{sa} = j_{ik} + l_{sa} - l_{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$



$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \dots$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-D-j_{sa}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \wedge j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} + j^{sa} \leq n \wedge j_{sa} - s \wedge$

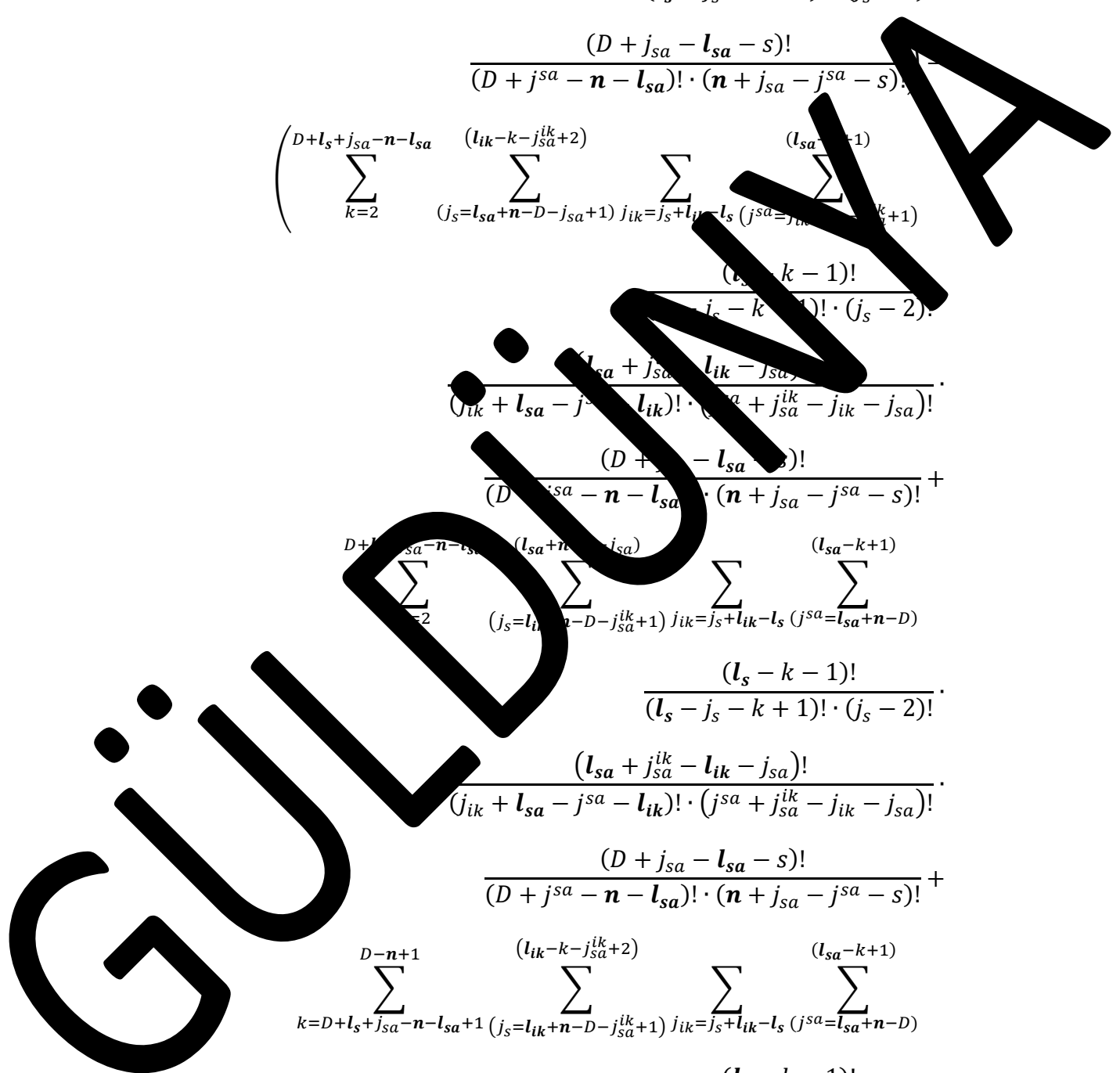
$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge j_{sa}^{ik} + j_{sa} - j_{sa} > l_{ik} \Rightarrow$

$$f_{zS}^{DS,B}_{j_s, j_{ik}, j^{sa}} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\begin{aligned}
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right. \\
 & \frac{(l_{sa} + j_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}+n-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}
 \end{aligned}$$



$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{(l_s+1)}$$

$$\sum_{j_{ik}=l_{ik}-l_s}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_{sa}=l_{sa}+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} j_{ik} \sum_{j_{ik}=j_s+l_{sa}-l_s}^{(j_s-k+1)} (j^{sa} = j_{ik} + l_{sa} - l_{ik} + n - D) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} - j_{sa}^{ik} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \right)$

$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$$\begin{aligned}
 & \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j^{sa}} \right) \cdot \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j^{sa}} \right) \cdot \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j^{sa}} \right) \cdot \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(\quad)}{(j_s=j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}^{ik}+n+j_{sa}-D-j_{sa}^{ik})}$$

$$\frac{(l_s - j_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D+l_s-l_{sa}-s)!}{(D+l_s-l_{sa}-s)! \cdot (n+j_{sa}-j_{sa}^{ik}-s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{(j_{ik}-j_{sa}^{ik})}{(j_s=l_s+n-D)} \sum_{(j_{sa}^{ik}+n+j_{sa}-D-j_{sa}^{ik})} \binom{(l_s+j_{sa}-k)}{(j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa}^{ik} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}^{ik}+n+j_{sa}-k+1)}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - j_s - k + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + l_{ik} - j_{sa}^{ik}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} =$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq \dots < n \wedge l_s > D - n + 1 \wedge \dots \leq j_s \leq \dots - j_{sa}^{ik} + 1 \wedge \dots + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + \dots - j_{sa}^{ik} = \dots - n + j_{sa} - s \wedge l_{ik} - j_{sa}^{ik} + \dots > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik})}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}-j_{sa}^{ik}}^{l_{ik}-1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{(l_s-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{(l_s-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{(l_s-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}
 \end{aligned}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B} j_s, j_{ik}, j^{sa} \Leftrightarrow = \sum_{k=2}^l$$

$$\frac{(D - j_s - k + 1)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{l-1} \sum_{(j_{ik} + l_s - l_{ik})}^{()} \sum_{j^{sa} + l_{ik} - l_{sa}} \sum_{(j_{sa} = j_{sa} + 1)}^{(l_{sa} - k + 1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B} j_s, j_{ik}, j^{sa} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1}} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{()}{j^{sa}=j_{sa}+1}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} \sum_{k=i^l} \sum_{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{\binom{()}{j^{sa}=j_{sa}}}$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j^{sa} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \Rightarrow$$

$$f_{zS}^{DS,B}_{j_s, j_{ik}, j^{sa}} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{()}{j^{sa}=j_{sa}+1}}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=i^l} \sum_{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{\binom{()}{j^{sa}=j_{sa}}}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{(l_{sa}+j_{sa}^{ik}-j_{sa}=l_{ik})} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{ik} - j_{sa}^{ik}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Rightarrow = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \frac{\sum_{k=0}^{i^{l-1} (l_{sa}-k-j_{sa}+2)} \sum_{(j_s=2)} \sum_{=j_s} \sum_{(j_{sa}^{ik} + l_{sa} - l_{ik})} \binom{()}{(l_s - k - 1)!} \cdot \frac{(D+j_s - l_{sa} - s)!}{(D+j_{sa} - n - l_{sa})! \cdot (n+j_{sa} - j^{sa} - s)!} \cdot \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \binom{()}{(D+j_{sa} - l_{sa} - s)!} \cdot \frac{(D+j_{sa} - l_{sa} - s)!}{(D+j_{sa} - n - l_{sa})! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Rightarrow = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz \mathcal{S}_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{i-1} \frac{\binom{i-1}{k} \binom{i-1-k}{j_s-k} \binom{i-1-k-j_s}{j_{ik}-j_{sa}-k} \binom{i-1-k-j_s-j_{ik}+1}{j_{sa}-k-j_{sa}^{ik}+1}}{(D-n-k+1)! \cdot (i-k)!} - \frac{\binom{i-1}{k} \binom{i-1-k}{j_s-k} \binom{i-1-k-j_s}{j_{ik}-j_{sa}-k} \binom{i-1-k-j_s-j_{ik}+1}{j_{sa}-k-j_{sa}^{ik}+1}}{(D-n-k+1)! \cdot (i-k)!} \right) \cdot \frac{(i-k-1)!}{(i-j_s-k+1)! \cdot (j_s-2)!} + \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=1}^i \sum_{j_s=1}^{i-k} \sum_{j_{ik}=j_{sa}^{ik}}^{i-k-j_s} \sum_{j_{sa}=j_{sa}}^{i-k-j_s-j_{ik}} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} - \left(\sum_{k=2}^{i-1} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{i-k} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j_{sa}=j_{sa}+2}^{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} + \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{sa}-1)} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}^{ik}+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_s \leq n + j_{sa} - s$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}^{ik}+1)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} \cdot$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{lk}+1}^{j^{sa}+j_{sa}^{lk}-j_{sa}-1} \sum_{(j^{sa}=j_{sa}+2)}^{(j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{lk}+1}^{j_{sa}^{lk}-k} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{lk} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Big)$$

GÜLDENWA

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{i^{l-1}} \frac{\binom{l-1}{k}!}{(D - n - k + 1)! \cdot (j_s - k)!} - \right. \\ \left. \left(\sum_{k=2}^{i^{l-1}} \sum_{\substack{j_s=1 \\ (j_{ik} - j_{sa}^{ik} + 1) \leq j_s \leq j_{sa} + l_{ik} - l_{sa}}} \sum_{j_{sa}=1}^{(l_s + j_{sa} - k)} \sum_{j_{sa}+1}^{(j_{sa}+1)} \frac{(l_s - k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \right) \right. \\ \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \right. \\ \left. \sum_{k=i^l} \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} - \right. \\ \left. \left(\sum_{k=2}^{i^{l-1}} \sum_{j_s=2}^{(j_{ik} - j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik} + l_{ik} - l_{sa}} \sum_{j_{sa}=j_{sa}+2}^{(l_s + j_{sa} - k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \right. \\ \left. \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \right. \\ \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \right.$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \left(\sum_{k=i}^{(i)} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{sa}+1)} \frac{(l_s - j_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_{sa} \leq D + j_s - n \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq n + j_{sa} - j^{sa} \wedge l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$f_z^{DS,B}{}_{j_s, j_{ik}, j^{sa}} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{ik}-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} +$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{lk+1}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}^{lk+1})}^{(l_{sa}-i+1)} \right)$$

$$\frac{(l_{sa}-k-1)!}{(j_s-k-1)! \cdot (j_s-2)!} +$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (l_{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{lk} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < l_{sa} \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_{ik} - j_{sa} - 1 \wedge j_s + j_{sa}^{lk} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - 1 \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$j_{ik} - 1 = l_s \wedge l_{sa} + j_{sa}^{lk} - j_{sa} > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\begin{aligned}
 & \left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \sum_{(j_s=1)}^{()} \sum_{j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \\
 & \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} - l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \quad \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=j_{sa}+1)} \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j_{sa}=j_{ik}+l_{sa}-s)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \sum_{j_s=1}^{(i^l)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{sa}=j_{sa})} \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j^{sa}-s)!} + \sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{(l_s+j_{sa}^{ik}-k-j_{sa}+1)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \right)$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=i}^{i-1} \sum_{(j_s=1)}^{l_{sa} + j_{sa}^{ik} - i^{l-j_{sa}+1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j_{sa}=j_{ik}+j_{sa}-l_{ik})} \frac{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik} + 1)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_s \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - j_{sa}^{ik} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} > l_{ik} =$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{()} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (k - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - j_{sa}^{ik} + 1)! \cdot (j_{sa} + j_{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})!} \cdot \frac{(n + j_{sa} - j_{sa} - s)!}{(n + j_{sa} - j_{sa} - s)!} +$$

$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \Big)$$

$$D \geq n < n \wedge l_{sa} = D + j_{sa} - s$$

$$1 \leq j_s = j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} < j^{sa} < j_{sa} + j_{sa} - s \wedge$$

$$l_{ik} + j_{sa}^{ik} - 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa} \Leftrightarrow}} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s + l_{ik} - l_s} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik})} \binom{(\quad)}{\quad} \right. \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \qquad \sum_{k=1} \sum_{(j_s=1)} \sum_{j_{ik}=j_s} \sum_{(j^{sa}=j_{sa})} \binom{(\quad)}{\quad} \binom{(\quad)}{\quad} \\
 & \qquad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n - s)!} \\
 & \left. \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s + l_{ik} - l_s} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik} + 1)} \binom{(\quad)}{\quad} \right) \right. \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \qquad \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa} + 1)} \binom{(\quad)}{\quad} \binom{(l_{sa} - i^{l+1})}{\quad} \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s-j_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-n-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=1}^{i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \frac{(l_s+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n-s)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \sum_{k=i^l}^{i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \right)$$

GÜLDÜZMAYA

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

GÜNBÜNKYA

$$j_{ik} \cdot j^{sa} \Leftrightarrow \binom{l}{k}$$

$$\frac{(D - k + 1)!}{(l_s - k - 1)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}-l_{ik})} \sum_{j_{ik}=j^{sa}-k-j_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_{sa}-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - i^{l-1} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D - l_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s-k)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \left. \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right. \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \left. \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right. \\
 & \quad \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}
 \end{aligned}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$f_{z} S_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(j_{sa}=l_s+n-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_{sa}-k+1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{(l_{sa}-i^{l+1})} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} = \left(\sum_{k=2}^{(D+l_s-j_{sa}-n-l_{sa})} \frac{(D+l_s-j_{sa}-n-l_{sa}-k+1)!}{(D+l_s-j_{sa}-n-l_{sa}-k+1)! \cdot (n+l_{sa}-j_{sa}-s-k+1)!} - \sum_{k=2}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{sa}-l_{ik})} \frac{(l_{sa}-k+1)!}{(l_{sa}-k+1)!} \cdot \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_{sa}-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) - \left(\sum_{k=2}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{sa}-l_{ik})} \frac{(D+l_s-j_{sa}-n-l_{sa}-k+1)!}{(D+l_s-j_{sa}-n-l_{sa}-k+1)! \cdot (n+l_{sa}-j_{sa}-s-k+1)!} - \sum_{k=2}^{(D+l_s+j_{sa}-n-l_{sa})} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{sa}-l_{ik})} \frac{(l_{sa}-k+1)!}{(l_{sa}-k+1)!} \cdot \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) + \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{sa}-l_{ik})} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1)}^{(l_{sa}-k+1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik-k+1}}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{i^{l-k+1}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - i^{l-1} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D - l_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\begin{aligned}
 & \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \right) \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}-j_{sa}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) \\
 & \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right) \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) \\
 & \left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} + \right. \\
 & \left. \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \right)
 \end{aligned}$$

GÜLÜM

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!}$$

$$\sum_{k=0}^i \sum_{(j_s=1)}^{(i-k)} \sum_{j_{ik}^{ik} (j_{sa}^{ik} = l_{sa} - n - D)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa}^{ik})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_s \leq D + l_s + j_{sa} - n - 1 =$$

$$fz_{j_s, j_{ik}, j_{sa}^{ik}}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(i-k)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}^{ik}=j_{ik}+l_{sa}-l_{ik})}^{(i-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j_s} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-D-j_{sa}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j_s} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=i}^{i-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j_s} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-i-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \binom{()}{j_s} \right)
 \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

GÜLDENMYA

$$\sum_{k=2}^{i^l} \frac{(l_s - k)!}{(D + j_{sa} - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{D+l_s+j_{sa}-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=l_{sa}+n-D)} \sum_{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=D+l_s+j_{sa}-l_{sa}+1}^{i_l-1} \sum_{(j_s=2)}^{(l_{ik}-k-1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=l_{sa}+n-D)} \sum_{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \\
 & \sum_{k=i_l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i_l+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)
 \end{aligned}$$

$$n - l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}} \Leftrightarrow = \left(\sum_{k=2}^l \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_{sa}=l_{sa}+n-k}^{l_s+1} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{j_s+l_{ik}-l_s} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{j_s+l_{ik}-l_s}$$

$$\frac{(l_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_{sa}=l_{sa}+n-k}^{l_s+1} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{l_{sa}-k+1} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{j_s=2}^{l_{sa}+n-D-j_{sa}} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{l_{sa}-k+1} \sum_{j^{sa}=l_{sa}+n-D}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - j^{sa} - s)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_s - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{i=1}^{(l_{sa}-i^{l+1})} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_s + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - j^{sa} \leq n - j_{sa} - s$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - j_{sa} \leq l_{ik} \leq D - l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \right)$$

$$\begin{aligned}
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \\
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \right. \\
 & \left. \sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \left. \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \right)
 \end{aligned}$$

GUIDANCE

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-i^{l-j_{sa}+1}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - l_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n \Rightarrow$$

$$f_z S_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)} \right. \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \qquad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \qquad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=i}^{l_s-k} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \qquad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} + \\
 & \sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-i-j_{sa}^{ik}+1)} \\
 & \qquad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot
 \end{aligned}$$

GÜLDERN

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

GÜLDÜZMAYA

$$f_{DS,B}^{j_{ik}, j_{sa}} \Leftrightarrow \binom{l}{k}$$

$$\frac{(D - j_s - k + 1)!}{(l_s - k + 1)! \cdot (j_s - 1)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}}^{l_s+j_{sa}^{ik}} \sum_{k+n-D}^{j_{sa}=j_{ik}+l_{sa}-l_{ik}} \binom{()}{l_s-k-1} \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{j_{ik}-j_{sa}^{ik}} \sum_{j_s=2}^{l_s+j_{sa}^{ik}-k} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}=j_{ik}+l_{sa}-l_{ik}} \binom{()}{l_s-k-1} \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \binom{()}{l_s-k+1} \sum_{j_s=2}^{l_{ik}-k+1} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{j_{sa}=j_{ik}+l_{sa}-l_{ik}} \binom{()}{l_{ik}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \dots$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \binom{l_s-k-1}{j_s-2} \binom{l_{ik}-l_s-j_{sa}^{ik}+1}{j_s+l_{ik}-j_{ik}-l_s} \binom{D+j_{sa}-l_{sa}-s}{D+j^{sa}-n-l_{sa}}$$

$$\binom{l_s-k-1}{j_s-2} \binom{l_{ik}-l_s-j_{sa}^{ik}+1}{j_s+l_{ik}-j_{ik}-l_s} \binom{D+j_{sa}-l_{sa}-s}{D+j^{sa}-n-l_{sa}} + \dots$$

$$\sum_{k=i^l}^{i^l-1} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^l+1} \binom{l_s-k-1}{j_s-2} \binom{l_{ik}-l_s-j_{sa}^{ik}+1}{j_s+l_{ik}-j_{ik}-l_s} \binom{D+j_{sa}-l_{sa}-s}{D+j^{sa}-n-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq l_{ik} < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j_s \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} < n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=2}^{D+l_s+j_{sa}-n-l_{sa}} \sum_{(j_s=2)}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=D+l_s+j_{sa}-n-l_{sa}+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \sum_{k=i}^l \sum_{(j_s=1)}^{l_{ik}-i^{l+1}} \sum_{(j_{sa}=j_{ik}-l_{sa}-l_{ik})}^{l_{sa}-i^{l+1}} \frac{(l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_{sa})!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_s \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - j_{sa}^{ik} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} > l_{ik} \wedge$

$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \Rightarrow$

$$fz_{j_s, j_{ik}, j_{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{sa} - k + 1} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{l_{sa}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=l_{sa}+n-D)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \Bigg)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}}^{DS, B} \Leftrightarrow = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \left(\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right)$$

GÜLDÜNYA

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk herhangi bir ve son bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk herhangi bir ve son bağımlı durumunun bulunabileceği olaylara bağlı, simetrisinin bitişik ve ayrık olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetrik durumların bulunabileceği diğer dağılımların sayısından (son olay için durumların tek simetrik olasılıkları), simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım olasılığının elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk herhangi bir ve son bağımlı durumu arasında, simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk herhangi bir ve son bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz^{DS,B}_{j_s, j_{ik}, j_i} = \sum_{k=2}^{fz^{DS}} fz^{S1} - fz^{DS}_{j_s, j_{ik}, j_i}$$

eşitliğin sağındaki terimlerin eşitleri yazıldığında,

$$fz^{DS,B}_{j_s, j_{ik}, j_i} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+l_s-n-k)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)}^{(l_s-s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right)$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

GÜLDEN

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

eşitlikleri elde edilir. Bu eşitliklere simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denilecektir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk herhangi bir ve son bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk herhangi bir ve son bağımlı durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı *simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı* denir. Simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fz_{j_s, j_{ik}, j_i}^{DS, B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(j_i=l_{ik}+s-D-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+s-k)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(j_i=l_s+n+s-D-1)}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-k-j_{sa}^{ik})} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} j_{ik}=j_s+j_{sa}^{ik}-1 \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i-k-s+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_i=j_{ik}+s-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_{ik}+s-k-j_{sa}^{ik})} \frac{(l_i-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D} \sum_{(j_i=l_i+n-D)}^{(l_{ik}+j_{sa}^{ik}-s-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+2)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$



$$\left(\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)} \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1} \sum_{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1} \sum_{(j_i=l_i+n-D)} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1} \sum_{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) +$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_{ik} \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq n \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} - j_{ik} - l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right)$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \right) \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \right) \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+k)} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_s+k)} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!}$$

GÜLDÜZMAYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - j_s - k + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_s + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq l_i \leq n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + s = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right)$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

GÜLDÜMÜS

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz S_{j_{ik}}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{sa}^{ik}+1)} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(j_{ik}=j_{ik}+s-j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{sa}^{ik}+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} < j_i + j_{sa}^{ik} - s$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s = D - n + 1 \wedge$

$2 \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s-j_{ik}+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(j_i-n)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_i+n-D}^{l_s+j_{sa}^{ik}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-n)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \right. \\
 & \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \right. \\
 & \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +
 \end{aligned}$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n}^{l_s-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(j_{ik}-D-s)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \binom{D-n+1}{k=2} \frac{(D-k)!}{(D-n-k+1)! \cdot (s-1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_i=j_{ik}+s-j_{sa}^{ik}+1)} \frac{(l_s - j_s - k + 1)!}{(l_s - j_s - 2)!} \cdot \frac{(l_i - l_i)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_i=j_{ik}+s-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - l_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i - j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq l_i \wedge n \wedge l_s > D - n + 1 \wedge$$

$$l_s \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_i > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

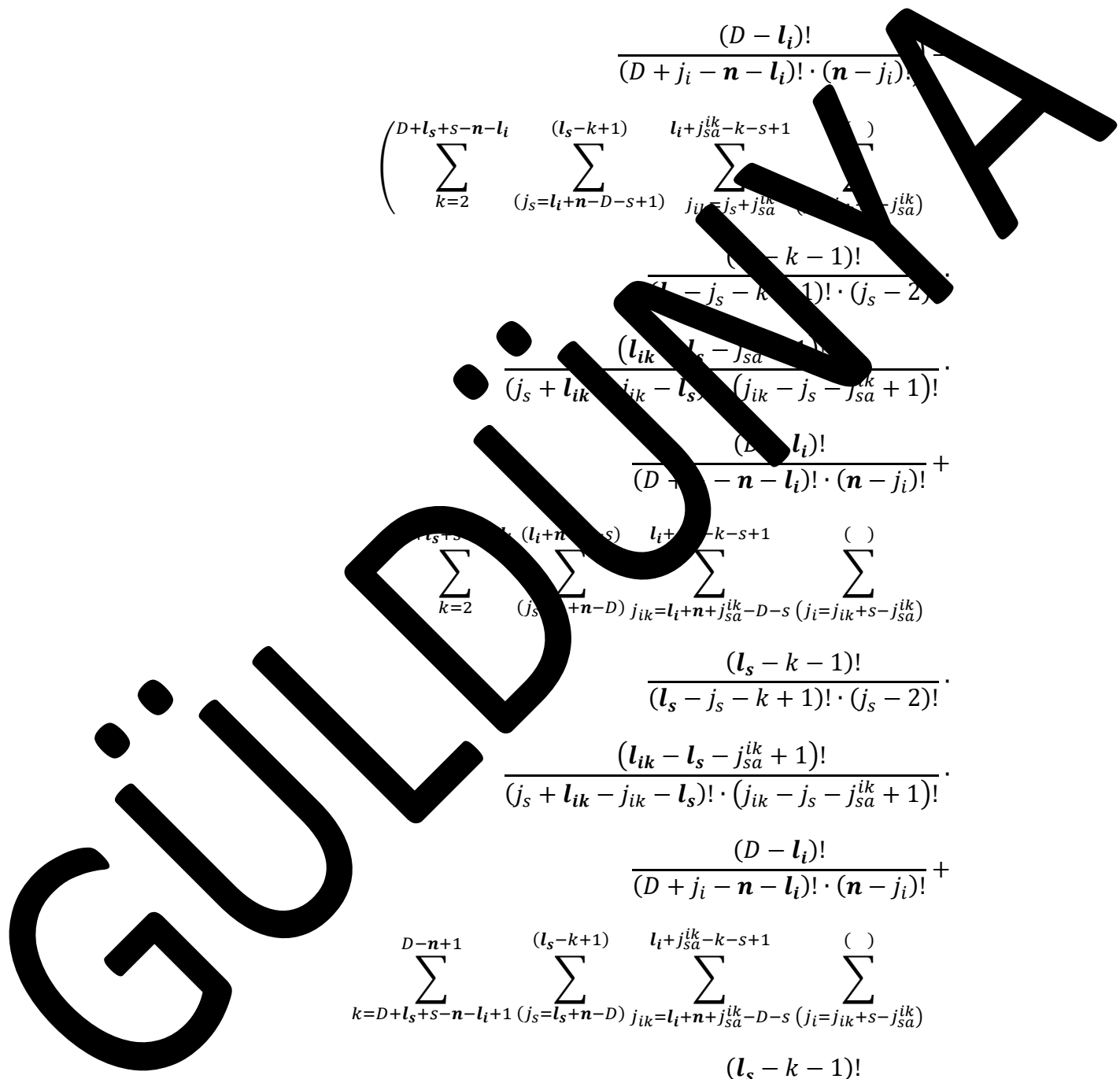
$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{s\bar{a}}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{s\bar{a}}^{ik})} \right) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ij}=j_s+j_{s\bar{a}}^{ik}-k-s+1} \sum_{(j_i=j_{ij}+s-j_{s\bar{a}}^{ik})} \right) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{s\bar{a}}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{s\bar{a}}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s)}^{(l_i+n-s)} \sum_{j_{ik}=l_i+n+j_{s\bar{a}}^{ik}-D-s}^{l_i+j_{s\bar{a}}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{s\bar{a}}^{ik})} \right) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{s\bar{a}}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{s\bar{a}}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{s\bar{a}}^{ik}-D-s}^{l_i+j_{s\bar{a}}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{s\bar{a}}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{s\bar{a}}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{s\bar{a}}^{ik} + 1)!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz S_{j_{ik}}^{DS,B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(l_{ik}-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(l_{ik}-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_i+n-D-s+1}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(l_s-k+1)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=l_s+s-n+1}^{D-n+1} \sum_{j_s=l_s+n-D}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_{ik}+n-D-j_{sa}^{ik})} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_i=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+s-k+1)} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+s-k+1)} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+s-k+1)} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZMAYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

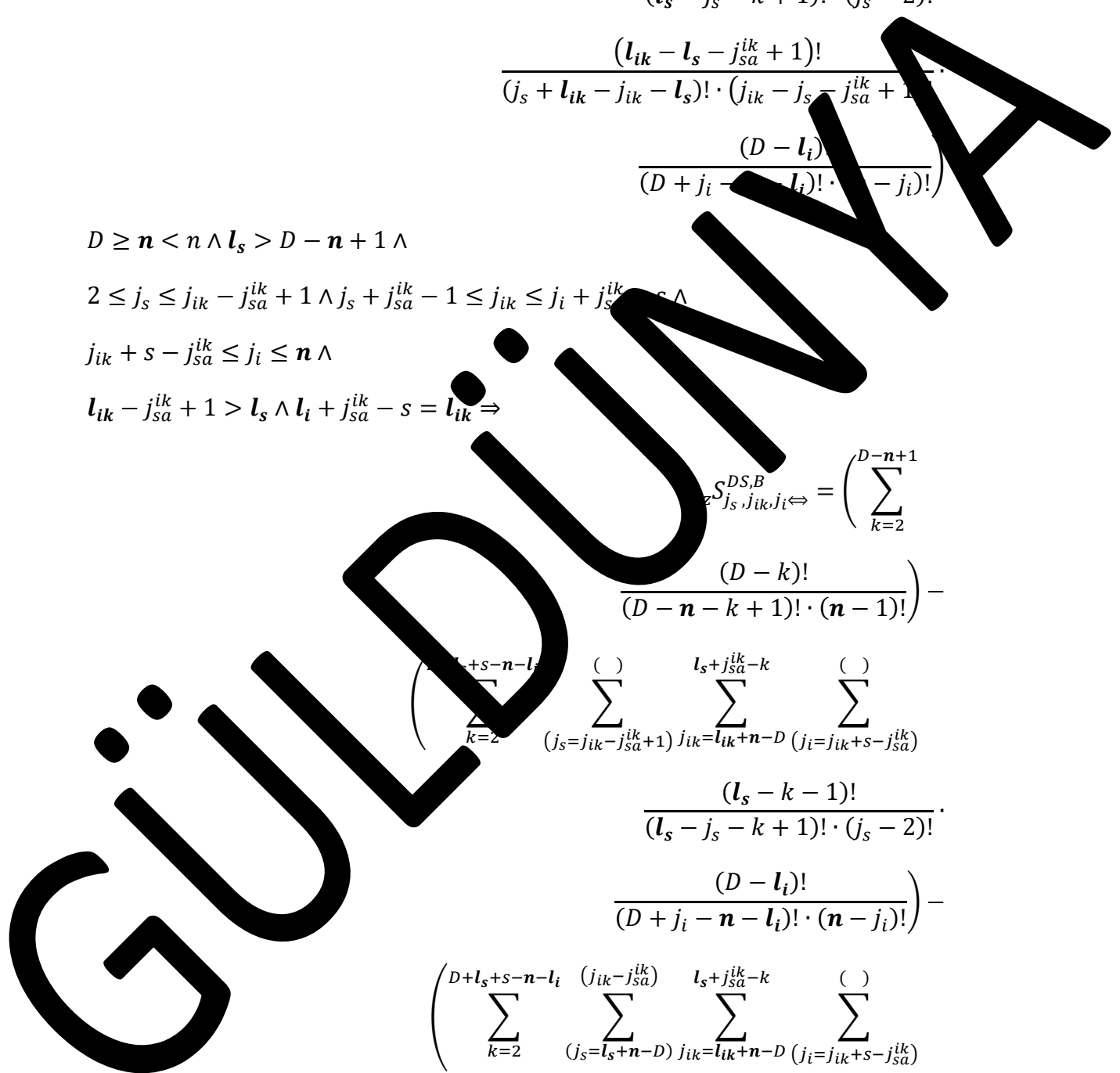
$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$

$S_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$

$\left(\sum_{k=2}^{(l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$

$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right)$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+n-D}^{l_{ik}+n-D} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n - l_i > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + s \geq l_s \wedge l_i - j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\)} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{ik}+n-j_{sa}^{ik})} \sum_{=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)
 \end{aligned}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{i-l+1} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(i-l+1)+j_{sa}^{ik}-s} \sum_{j_i=s+1}^{(i-l+1)+j_{sa}^{ik}-s} \frac{(i-l+1-k)!}{(l_s+j_s-k+1)! \cdot (l_i-s-2)!} \frac{(i-l)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{k=i}^{(i)} \sum_{j_s=1}^{(i)} \sum_{j_{ik}=j_{sa}^{ik}}^{(i)} \sum_{j_i=s}^{(i)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - s + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{i-l+1} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(i-l+1)+j_{sa}^{ik}-s} \sum_{j_i=s+1}^{(i-l+1)+j_{sa}^{ik}-s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$f_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{()} \sum_{(j_i=s+1)}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=s)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{i^{l-1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-k-s+1} \frac{(l_s-k-1)!}{(j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{j_s=1}^{i^l} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_i=s)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 < j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge l_i + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{(j_i=j_{ik}+s-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$

$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=2)}^{i^{l-1} (l_i - k - s + 2)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{j_{ik} + j_{sa}^{ik} - 1} \sum_{(j_i=j_{ik} + j_{sa}^{ik})}^{(j_i=j_{ik} + j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (j_s - 2)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \sum_{(j_s=1)}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{ik}=j_{sa}^{ik})} \sum_{(j_i=s)}^{(j_i=s)} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \geq D - n + 1 \wedge$$

$$1 < j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge j_{ik} + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(j_{ik}=j_s + j_{sa}^{ik} - 1)} \sum_{(j_i=j_{ik} + j_{sa}^{ik})}^{(j_i=j_{ik} + j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\)} \sum_{(j_s=1)}^{(\)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\)} \sum_{(j_i=)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$f_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{l_s - k + 1} \sum_{(j_s=2)}^{(\)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(\)} \sum_{(j_i=j_{ik} + s - j_{sa}^{ik})}^{(\)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\)} \sum_{(j_s=1)}^{(\)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\)} \sum_{(j_i=s)}^{(\)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \binom{l}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik})} \sum_{(j_i+j_{sa}^{ik}-s)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=s+1)} \frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(D + s - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=s+2)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \right) + \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+2)}^{(l_i-k+1)}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \left(\sum_{k=i}^{i^l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{()} \sum_{(j_{ik} = j_i + j_{sa}^{ik} - s)}^{(l_i - i^{l+1})} \sum_{(j_i = s+1)}^{()} \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_{ik} - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i - s)!}{(D + j_i - n - l_i - s)! \cdot (n - j_i - s)!} \right)$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - n =$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{()} \sum_{(j_{ik} = j_i + j_{sa}^{ik} - s)}^{(l_s + s - k)} \sum_{(j_i = s+1)}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\begin{aligned}
 & \sum_{k=i}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{j_s=1}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_i=s}^{\binom{D-l_i}{D+s-n-l_i}} \\
 & \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \Bigg) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{j_{ik}=j_{sa}^{ik}}^{j_i+j_{sa}^{ik}-s-1} \sum_{j_i=s+2}^{\binom{D-l_i}{D+s-n-l_i}} \right. \\
 & \frac{\binom{D-l_i}{D+s-n-l_i}}{(l_s-j_s-k+1) \cdot (j_s-2)!} \cdot \\
 & \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=2}^{i-1} \sum_{j_s=j_{ik}-j_{sa}^{ik}}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}} \sum_{j_i=l_s+s-k+1}^{\binom{D-l_i}{D+s-n-l_i}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=i}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{j_s=1}^{\binom{D-l_i}{D+s-n-l_i}} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i+1)} \sum_{j_i=s+1}^{\binom{D-l_i}{D+s-n-l_i}} \\
 & \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(l_i+j_{sa}^{ik}-j_i-l_{ik})! \cdot (j_i-s)!} \cdot \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \binom{i}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (j_i-1)!} - \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+1)}^{(l_s-k)} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} - \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+2)}^{(l_s+s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} + \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_s+s-k+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \right)$$

GÜLDENWA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \sum_{k=0}^{i-l} \sum_{(j_s=1)}^{(l_{ik} + j_i - l - j_{sa}^{ik} + 1)} \sum_{(j_i=1)}^{(l_{ik} - j_{ik} - l_s - 1)} \frac{(l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_{sa}^{ik} + 1)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \Rightarrow$$

$$(D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n) \Rightarrow$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-l} \right)$$

$$\begin{aligned}
 & \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+1)}^{(l_s+s-k)} \right. \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \quad \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \quad \sum_{k=i^l}^{()} \sum_{(j_s=j_{sa}^{ik})} \sum_{(j_i=s)}^{()} \\
 & \left. \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}-s-1} \sum_{(j_i=s+2)}^{(l_s+s-k)} \right. \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \quad \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \quad \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \quad \sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot
 \end{aligned}$$

GÜLDENREYER

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(j_s+s-1)} \sum_{(j_i=s+2)}^{(l_s+s-1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (l_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_i - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(j_{ik}-i)} \sum_{(j_s=1)}^{(l_i-i+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i+1)} \sum_{(j_i=s+1)}^{(l_i-i+1)}$$

$$\frac{(l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n - n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} - s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_t}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i-l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik-k+1})} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_{ik-k+1})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i-l}^{(l_s)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik-k+1})} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_{ik-k+1})}$$

$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{i-l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik-k+1})} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_{ik-k+1})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i-l}^{(l_s)} \sum_{(j_s=1)}^{(l_{i-l+1})} \sum_{(j_{ik}=j_{sa}^{ik})}^{(l_{i-l+1})} \sum_{(j_i=s+1)}^{(l_{i-l+1})}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

GÜLDENMYA

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \binom{l}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s-j_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)} \right) \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D+l_i)!}{(D+n-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l} \sum_{(j_s=1)}^{(l_s-1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_s-1)} \sum_{(j_i=s)}^{(l_i-1)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l} \sum_{(j_s=1)}^{(l_s-1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-l+1)} \sum_{(j_i=s+1)}^{(l_i-l+1)}$$

GÜLDÜSÜNYA

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

GÜLDÜNKYA

$$\sum_{k=2}^{i^l} \binom{D-s, B}{j_{sa}^{ik}} = \left(\sum_{k=2}^{i^l} \frac{(D-s-k)!}{(D-s-k+1)! \cdot (n-1)!} \right) -$$

$$\sum_{k=1}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=s)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - k - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{(l_i+j_{sa}^{ik}-s+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{()} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n) \wedge l_i \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n)$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_i \leq j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + j_i - n) \vee$$

$$(D \geq n < n) \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n) \vee$$

$$(D \geq n < n) \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \binom{l_i}{k} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} - \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-1)} \sum_{j_{ik}=j_{sa}^{ik}}^{l_s+j_{sa}^{ik}-k} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}} \right) \frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(D - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{l_i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} - \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} + \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

GÜLDENYA

$$\begin{aligned}
& \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik} - k + 1} \sum_{j_{ik} = l_s + j_{sa}^{ik} - k + 1}^{(l_i - k + 1)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=2}^{i^{l-1} (j_i + j_{sa}^{ik})} \sum_{(j_s=2)}^{l_{ik} - k} \sum_{j_{ik} = l_s + j_{sa}^{ik} + 2}^{(j_i)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=1}^{i^{l-1}} \sum_{(j_s=1)}^{l_{ik} - i^{l+1}} \sum_{j_{ik} = j_{sa}^{ik}}^{(l_i - i^{l+1})} \sum_{(j_i = s + 1)} \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
& \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

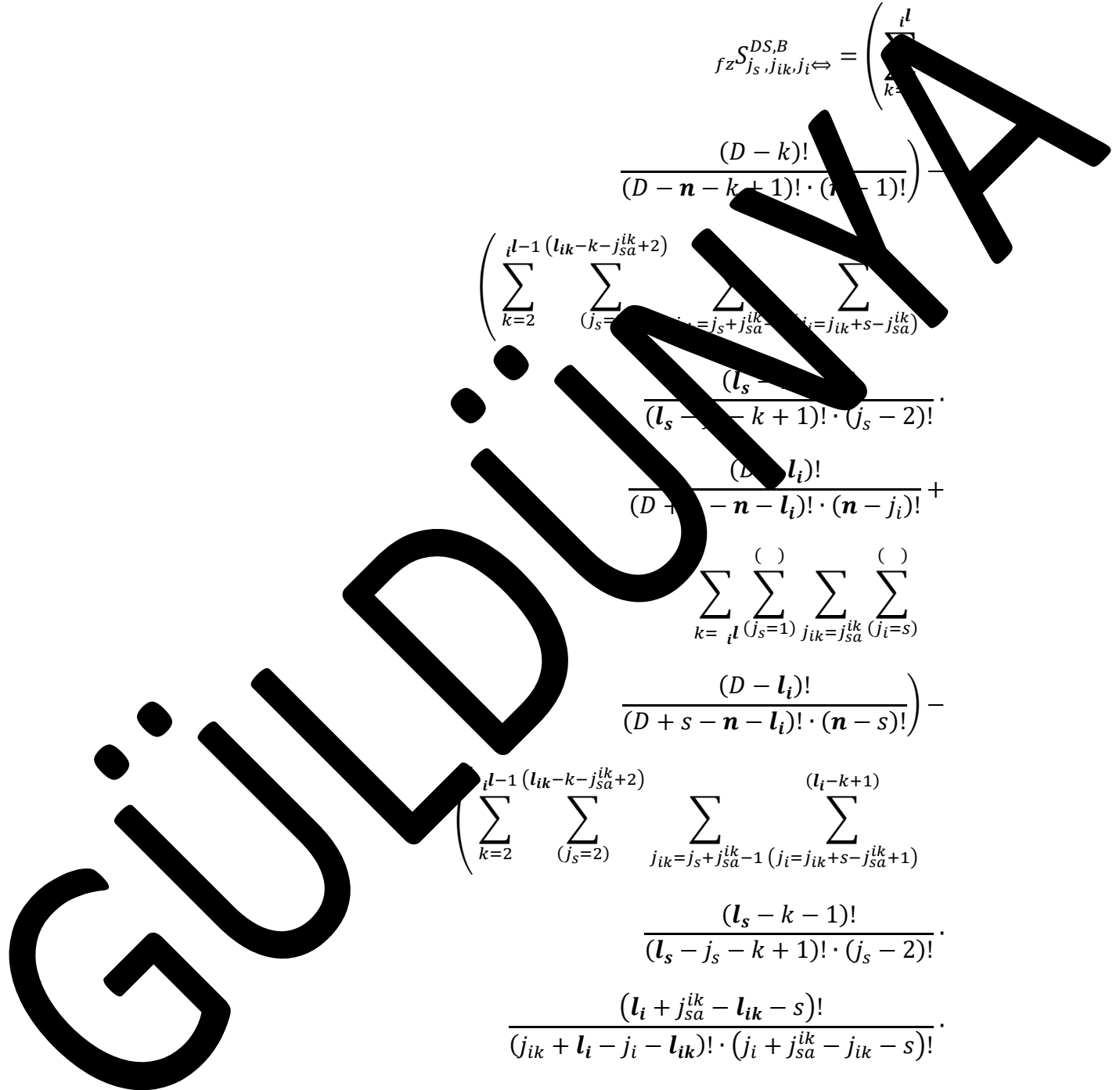
$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \binom{l}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_s-j_s-k+1)} \frac{(l_s-j_s-k+1)! \cdot (j_s-2)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^{(i)} \sum_{(j_s=1)}^{(i)} \sum_{j_{ik}=j_{sa}^{ik}}^{(i)} \sum_{(j_i=s)}^{(i)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) + \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_s-j_s-k+1)} \frac{(l_s-j_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \right) + \sum_{k=i}^{(i)} \sum_{(j_s=1)}^{(i-l+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(i-l+1)} \sum_{(j_i=s+1)}^{(i-l+1)}$$



$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

GÜLDÜMÜNYA

$$j_{sa}^{ik} = \binom{i^l}{k=2} \cdot \frac{(l_s - k)!}{(D + j_i - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{k=2}^{i^l} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_i}^{(l_i - i + 1)} \sum_{(j_i=s+1)}^{()}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik} - s)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_t}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{()} \sum_{(j_i=j_{ik} + s - j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=s)}^{()}$$

GÜLDÜNYA

$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} - \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik-k+1}} \sum_{j_{ik}=j_s+j_{sa}^{ik}} (j_i=j_{ik}+s-j_{sa}^{ik}) \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{sa}^{ik} - j_i - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=1}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=1)}^{l_{ik-k+1}} \sum_{j_{ik}=j_s+j_{sa}^{ik}+1} (j_i=j_{ik}+s-j_{sa}^{ik}) \frac{(l_s - k - 1)!}{(l_{ik} - j_i - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) \right)$$

$$(D \geq n < n \wedge l_i \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{ik} - j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D > n < n \wedge l_i = D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$l_i - s + 1 > l_s \wedge$

$l_i \leq D + s - n) \Rightarrow$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s} \sum_{j_{ik}^{ik}-1} (j_i=j_{ik}+s-j_{sa}^{ik}) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \right) + \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

GÜLDÜNYA

$$\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!} + \dots$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n - l_i \leq D + j_i + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_i+n-D)} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \right. \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+2)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +
 \end{aligned}$$

GÜLDENYA

$$\sum_{k=2}^{(i)} \sum_{(j_s=1)}^{(i-l+1)} \sum_{j_{ik}=j_{sa}^{ik} (j_i=l_i+n-D)} \sum_{(j_i=l_i+n-D)}^{(l_i-l+1)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{D, s, B} \Leftrightarrow = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(i)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

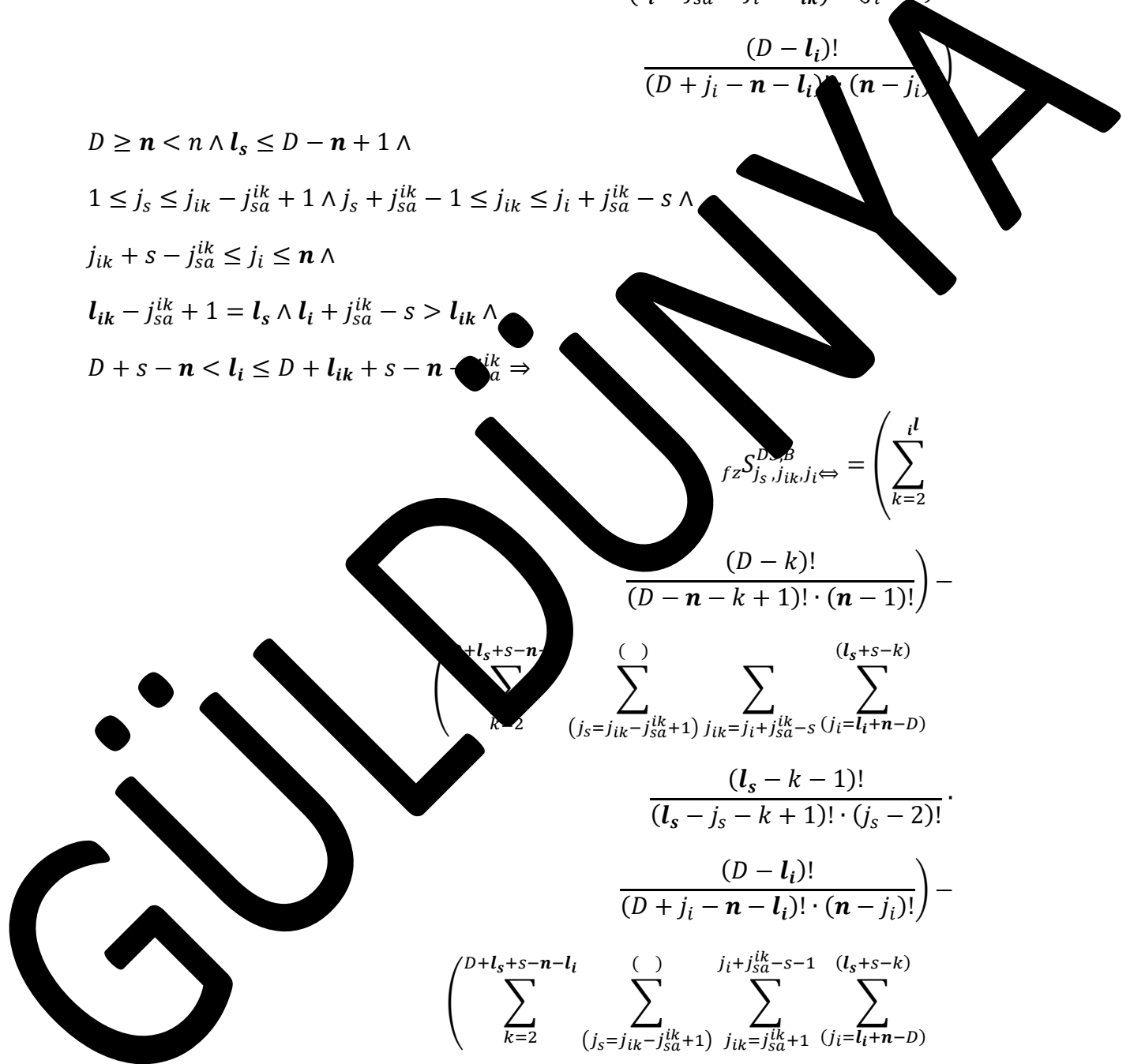
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(i)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+j_{sa}^{ik}-k} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{(l_i-i+1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=l_i+n-D)} \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D > n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right.$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+s-k)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s+s-k)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s-k+1)} \sum_{(j_i=l_s+s-k+1)}^{(l_s-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZMAYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=2}^{(i)} \sum_{j_s=2}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - l_s - j_{sa}^{ik})!}{(j_s - j_{ik} - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n - 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_i - j_{sa}^{ik} - s > l_{ik} \wedge D + s - n < l_i \leq D + l_s + s - n - 1) \vee (D \geq n < n \wedge l_s \leq D - n + 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge l_i - s + 1 \leq l_s \wedge D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_s-k)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \quad \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_i+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
 & \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \quad \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +
 \end{aligned}$$

GÜLDÜZ

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=k+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+1}^{(l_s-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-i+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_s + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{(i)} \sum_{(j_s=1)}^{l_{ik}-i+1} \sum_{j_{ik}=l_{ik}+n-D}^{(l_i-i+1)} \sum_{(j_i=l_i+n-D)} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \binom{l_i}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D}^{l_{ik}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \right) \frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!} \left(\sum_{k=2}^{D+l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - l_s)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - l_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i^{l+1})} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_i - n - l_i)! \cdot (j_i - s)!}$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D + s - n - l_i \leq D + j_i + s - n - j_{sa}^{ik} \Rightarrow$

$$fz^{DS,B}_{j_s, j_{ik}, j_i \Leftrightarrow} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} \sum_{l_s+j_{sa}^{ik}-k}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{(\quad)}{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}}^{(l_i-k+1)} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} \sum_{l_i+n+j_{sa}^{ik}-D-s-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{\binom{(\quad)}{(j_i=l_i+n-D)}}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{\binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} \sum_{l_s+j_{sa}^{ik}-k}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{(\quad)}{(j_i=l_i+n-D)}}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDÜZMAYA

$$\sum_{k=2}^i \sum_{(j_s=1)}^{(l_i - l_{i+1})} \sum_{j_{ik}=j_{sa}^{ik} (j_i=l_i+n-D)} \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - 1 \Rightarrow$

$fz^{D_s, B}_{j_s j_{ik} j_i} \Leftrightarrow = \left(\sum_{k=2}^i \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_i - l_{i+1})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i - l_{i+1})} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i - l_{i+1})} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_i - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+n-l_i+1}^{i-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-i-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

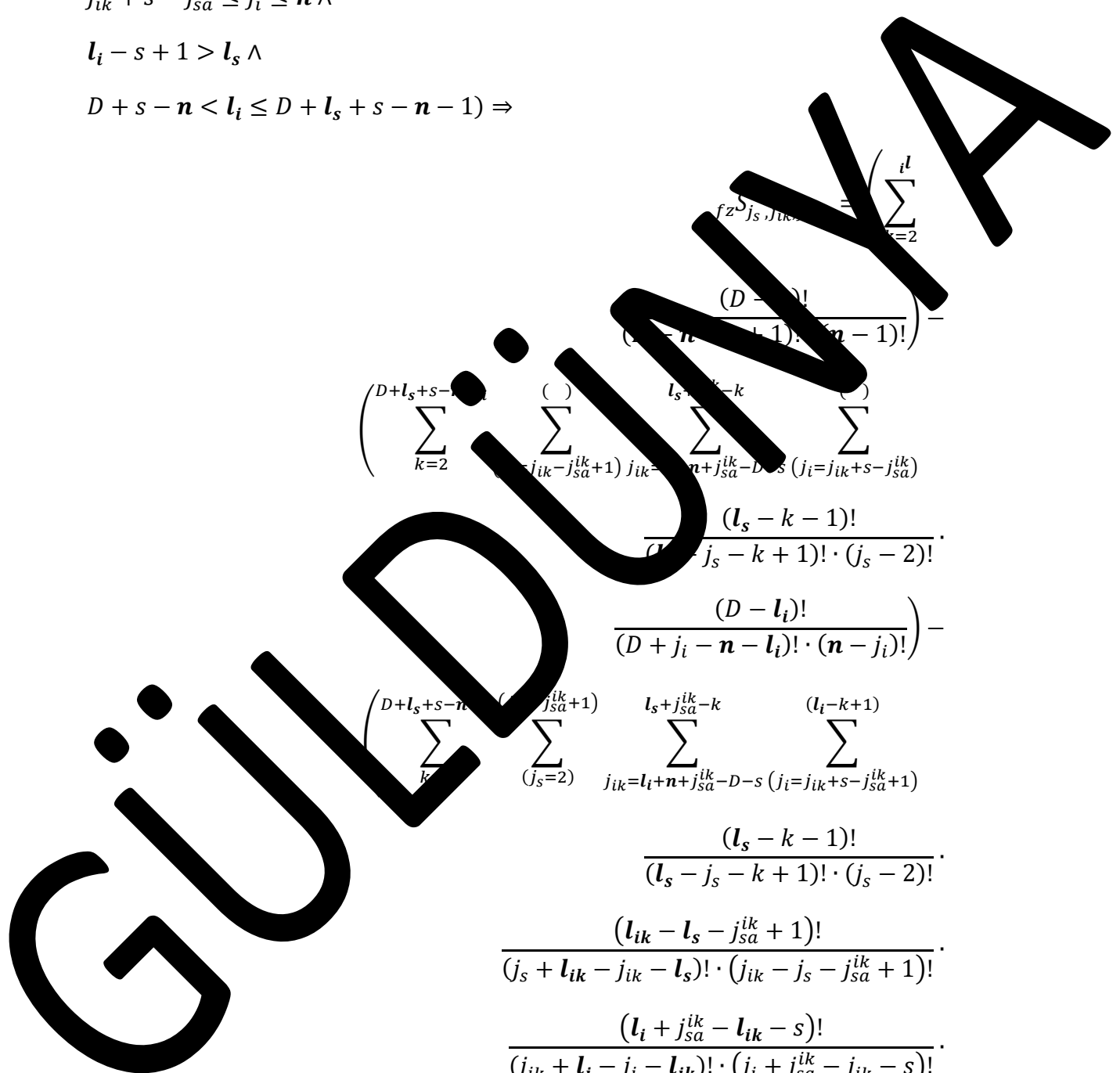
$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$\begin{aligned} & \sum_{k=2}^{D+l_s+s-n} \binom{D+l_s+s-n}{k} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{ik}-j_{sa}^{ik}+1} \binom{l_s}{j_{ik}-j_{sa}^{ik}-k} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{j_i=j_{ik}+s-j_{sa}^{ik}} \binom{l_i-k}{j_i-j_{ik}+s-j_{sa}^{ik}} \\ & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\ & \sum_{k=2}^{D+l_s+s-n} \binom{D+l_s+s-n}{k} \sum_{j_s=2}^{j_{sa}^{ik}+1} \binom{l_s+j_{sa}^{ik}-k}{j_{ik}=l_i+n+j_{sa}^{ik}-D-s} \binom{l_i-k+1}{j_i=j_{ik}+s-j_{sa}^{ik}+1} \\ & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \end{aligned}$$



$$\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{j_{ik}=l_{ik}+n-D}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i(l_s-k+1)} \sum_{(j_s=2)}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{j_{ik}=l_{ik}+n-D}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

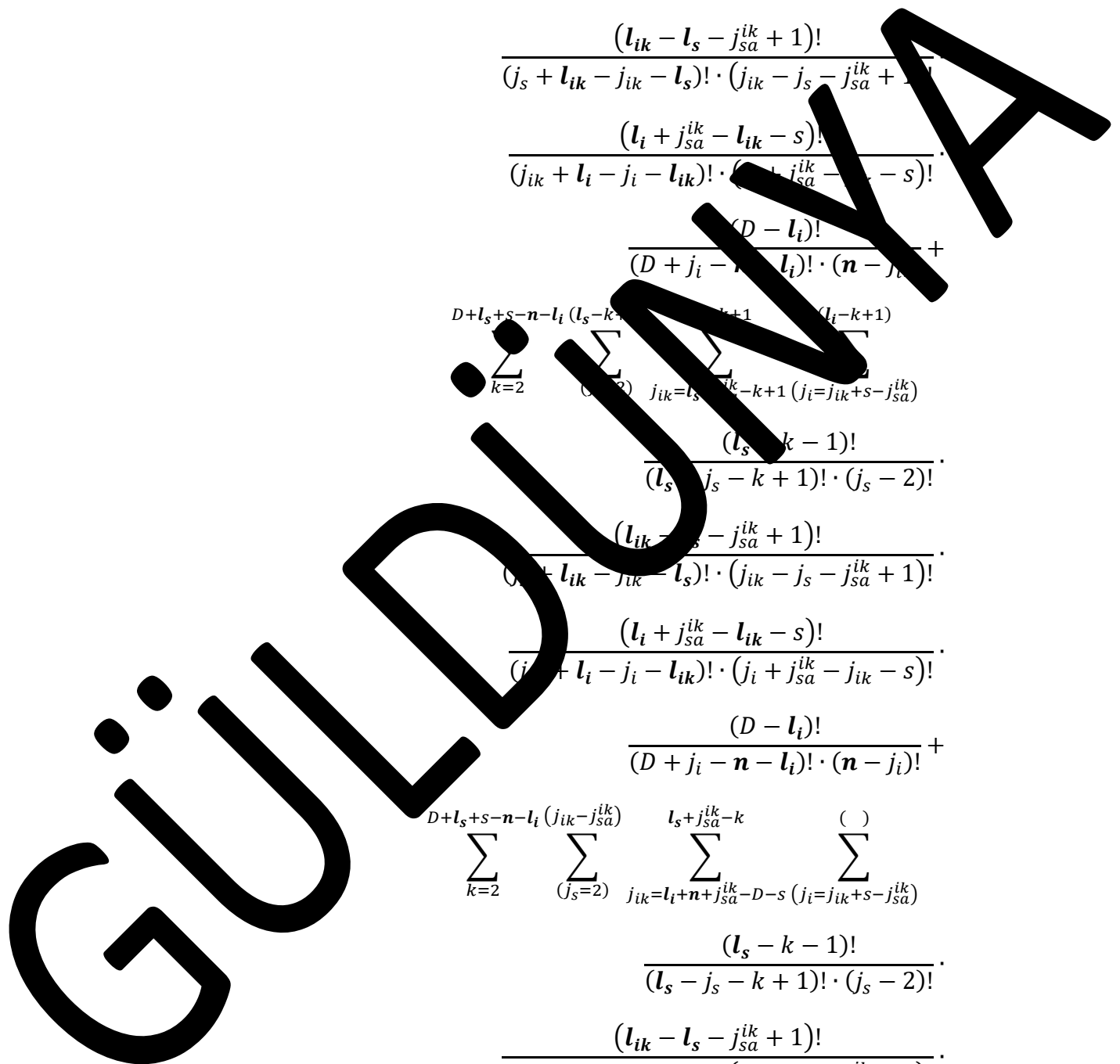
$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}^{l_s+j_{sa}^{ik}-k} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{()} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - l_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i^l-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - l_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D - n - 1 \wedge$

$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_{ik} + j_{sa}^{ik} - s > l_{ik} \wedge$

$D + s - n - l_i \leq D + l_s + s - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +$$

$$\left(\sum_{k=D+l_s+s-n-l_i+1}^{i l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \right)$$

GÜLDÜZMAYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=1)}^{(l_i - i + 1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{ik} \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_s+n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\cdot)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_s+n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s}^{i^{l-1}} \sum_{(j_s=2)}^{n-l_i+1} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i^{l+1})} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}-1}^{(j_{ik}=j_{sa}^{ik}-1)} \sum_{(j_i=j_{ik}+j_{sa}^{ik})}^{(j_i=j_{ik}+j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-k-s+1}^{(j_{ik}=j_s+j_{sa}^{ik}-k-s+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(j_i=j_{ik}+s-j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{sa}^{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_s-j_s-j_{sa}^{ik})!}{(l_s-j_{ik}-j_{sa}^{ik}+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + (n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_i - s + 1 \leq l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \right) - \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \right) - \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +
 \end{aligned}$$

GÜLDENYA

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=l_i+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} + l_s - j_{sa}^{ik} + 1)!}{(j_{ik} + l_{ik} - j_{ik} - l_{ik} - s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{l_{ik}-i+1} \sum_{j_{ik}=l_{ik}+n-D}^{(l_i-i+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-i+1)} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \binom{l_i}{k}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_i+j_{sa}^{ik}-s}^{(l_s)} \sum_{(j_i+l_i+n+s-D-j_{sa}^{ik})} \frac{(l_s - k + 1)!}{(l_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{n-l_i} \sum_{(j_s=2)}^{(j_{ik}^{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})} \sum_{(l_s+s-k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_s+s-k+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+j_{s_a}^{ik}-s}^{(l_{ik}+s-k-j_{s_a}^{ik}+1)} \sum_{(j_i=l_{ik}+n+s-D-j_{s_a}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - l_s + k - 1)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{s_a}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - l_s - k + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(i)} \sum_{(j_s=2)}^{(i)} \sum_{j_{ik}=j_i+j_{s_a}^{ik}-s}^{(l_{ik}+s-k-j_{s_a}^{ik}+1)} \sum_{(j_i=l_{ik}+n+s-D-j_{s_a}^{ik})}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{s_a}^{ik})!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{s_a}^{ik})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{s_a}^{ik} + 1 \wedge j_s + j_{s_a}^{ik} - 1 \leq j_i + j_{s_a}^{ik} - s \wedge$$

$$j_{ik} + s - j_{s_a}^{ik} \leq j_s \leq n \wedge$$

$$l_{ik} - j_{ik} + 1 > l_s \wedge l_{ik} + j_{s_a}^{ik} - s = l_{ik} \wedge$$

$$D + s - n - l_i \leq D + j_i + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{s_a}^{ik}+1)}^{(i)} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{s_a}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{s_a}^{ik})}^{(i)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

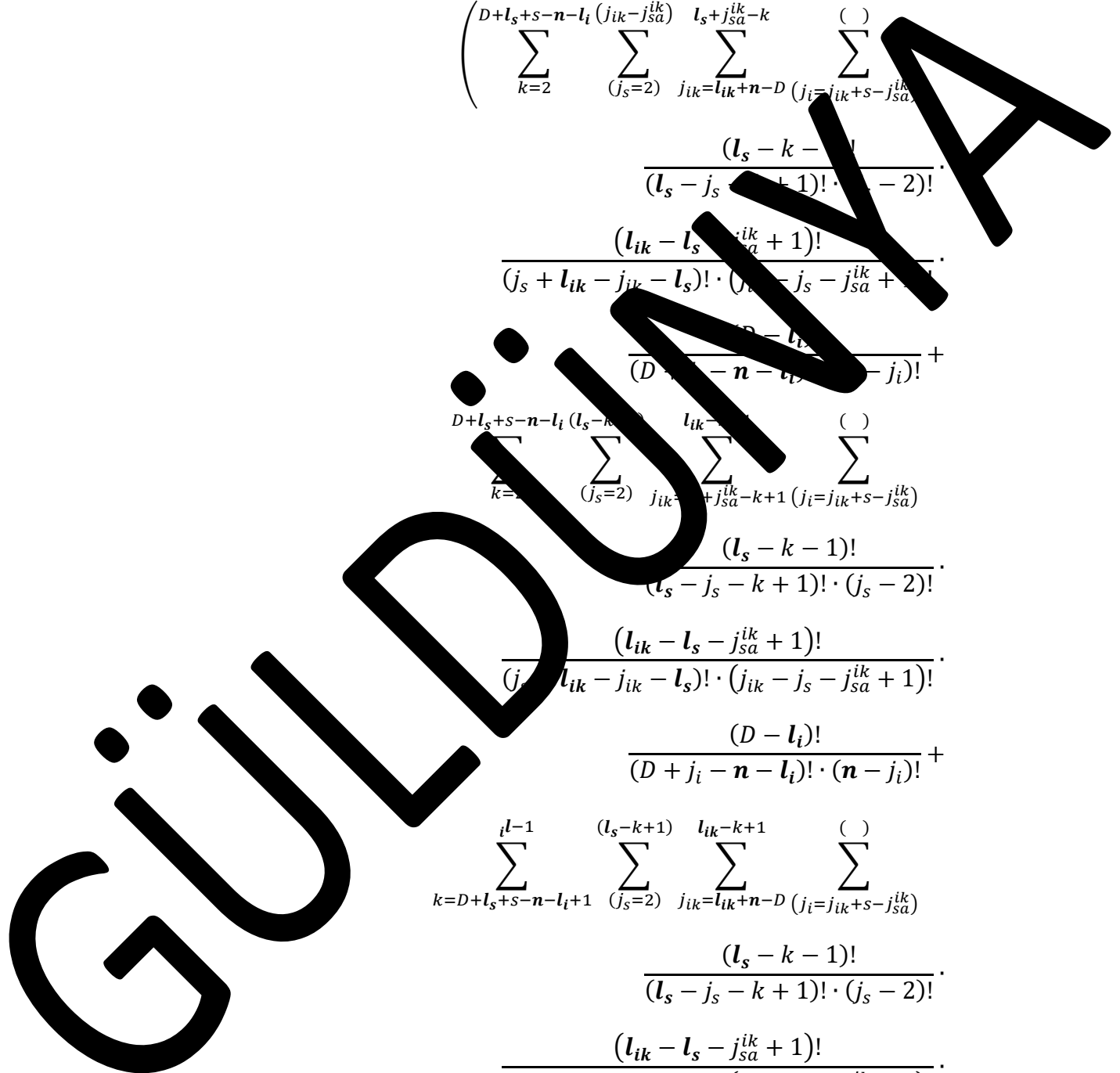
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{D, s} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+n-l_i)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - j_{ik} - l_s + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s - D - k + 1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=l}^{()} \sum_{(j_s=1)}^{l_{ik}-l+1} \sum_{j_{ik}=l_{ik}+n-D}^{()} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_{ik} + s - n - j_{sa}^{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s}^{(l_i-k+1)} \sum_{(j_i=n-D)}^{(j_i-n+D)} \right)$$

$$\frac{(j_i - k - 1)!}{(l_s - j_s - k - 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_i - j_{sa}^{ik} - s)!}{(j_{ik} + j_i - l_{ik} - s)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{(i)} \sum_{(j_s=1)}^{(l_s-k)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-i+1)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n - 1 \wedge l_s \leq D - 1 + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - l_{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=l_i}^{i-1} \sum_{(j_s=1)}^{l_{ik}-k+1} \sum_{j_{ik}=l_{ik}+n-D}^{()} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_{ik} - j_i - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_i - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_s = D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i < n \wedge$

$l_i - s - 1 > l_s \wedge$

$l_i > D + l_s - s - n - 1 \Rightarrow$

$$fz^{DS,B}_{j_s, j_{ik}, j_i} = \left(\sum_{k=2}^{i-1} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{l_{ik}-i} \sum_{j_{ik}=l_{ik}-D}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 2 \leq j_{ik} - j_i + j_{sa}^{ik} - s \wedge$$

$$j_s + s - j_{sa}^{ik} - j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - j_{sa}^{ik} + j_{sa}^{ik} - l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_s+l_{ik}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_i+l_{ik}-l_i)} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_s+l_{ik}-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_i+l_{ik}-l_i)} \sum_{(j_i=l_s+n+s-D-1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-k)}^{(l_s)} \sum_{(j_{ik}=j_i+l_{ik}-l_i)}^{(l_{ik}-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_s)} \sum_{(j_{ik}=j_i+l_{ik}-l_i)}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=j_i+l_{ik}-l_i)}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_{ik}=j_i+l_{ik}-l_i)}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

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$$\sum_{k=2}^{D-n+1} \binom{l_{ik}-k-j_{sa}^{ik}+2}{j_s=l_{ik}+n-D-k+1} \binom{()}{j_{ik}=j_s+l_{ik}-l_s} \binom{()}{j_i=j_{ik}+l_i-l_{ik}}$$

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$$\sum_{k=2}^{D-n} \binom{l_{ik} - k - j_{sa}^{ik} + 1}{j_s = l_i + n - k + 1} \sum_{j_{ik} = j_s + l_{ik} - l_s} \binom{()}{j_i = j_{ik} + l_i - l_{ik}}$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz S_{j_i \leftrightarrow}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D+l_s+s-n} \sum_{(j_s=j_{ik}+l_s)}^{(l_s-j_{sa}^{ik}+1)} \sum_{(j_{ik}=j_i-s)}^{(l_i+l_s-j_{sa}^{ik}+1)} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_s-j_{sa}^{ik}-s-1)} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_{ik}-k+1)} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_i-k+1)} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+2)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \frac{(l_i + j_{sa}^{ik} - l_{ik})!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i - 1)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j_i + j_{sa}^{ik} - j_{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_i < s > l_{ik} \Rightarrow$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right)$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-k}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_s+n-k+1)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$D \geq n < n \wedge D \geq n + 1 \wedge$$

$$2 \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\begin{aligned}
& \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right. \\
& \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
& \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_s-k)} \right. \\
& \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right. \\
& \quad \left. \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right. \\
& \quad \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \\
& \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
& \quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \\
& \quad \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
& \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}
\end{aligned}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{s, j_{sa}^{ik}} \Leftrightarrow = \left(\sum_{k=2}^{j_{ik}+1} \right)$$

$$\left(\frac{(D - l_i)!}{(D - l_i - k + 1)! \cdot (n - l_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-l_s-l_{ik})} \sum_{j_{ik}=l_i}^{l_{ik}-k+1} \sum_{j_{sa}^{ik}=D-s}^{j_{sa}^{ik}-D-s} \binom{()}{(j_i=j_{ik}+s-j_{sa}^{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

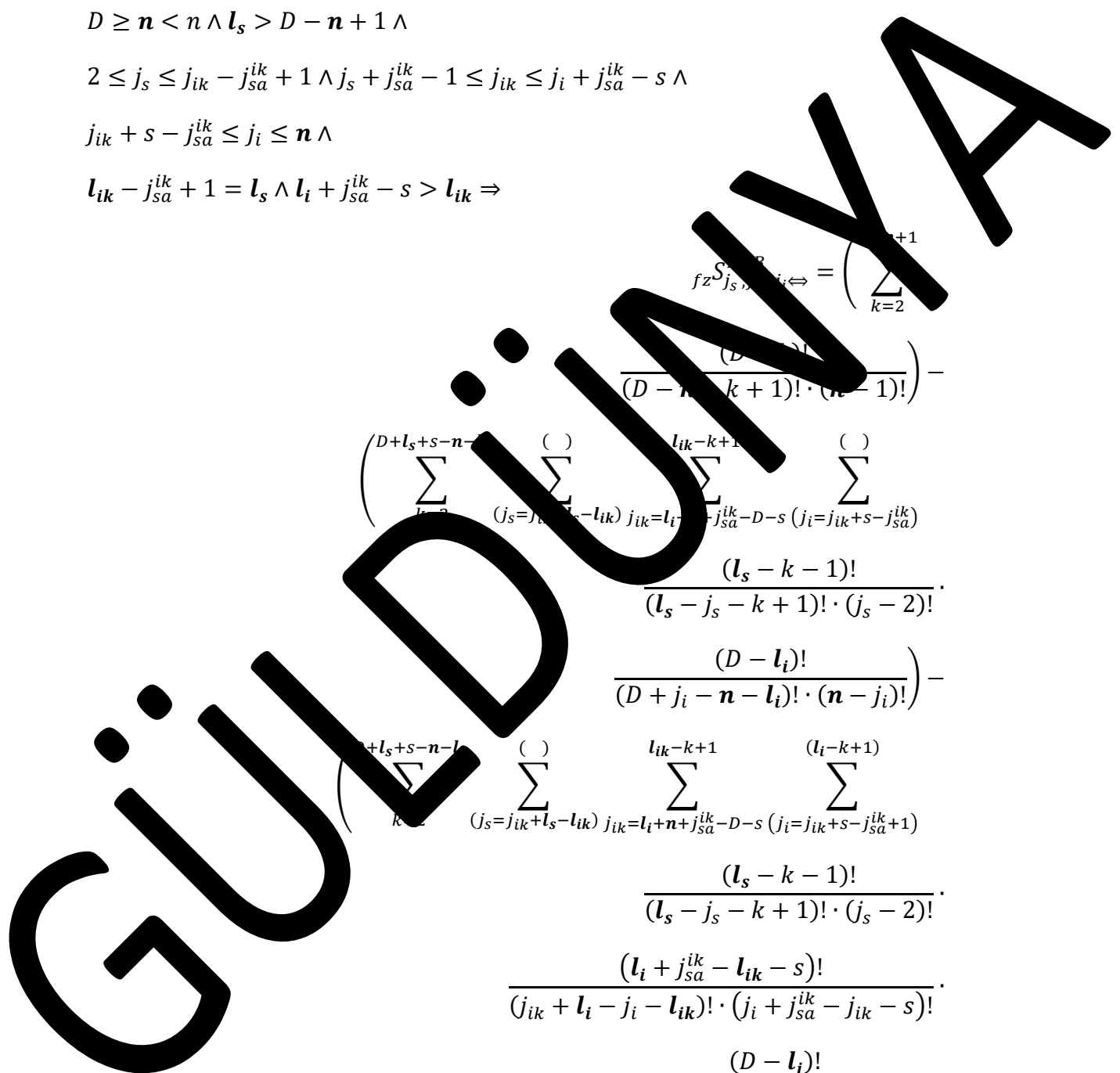
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{j_{sa}^{ik}=j_{sa}^{ik}+1}^{(l_i-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_i \leq j_i + j_{sa}^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_i + j_{sa}^{ik} - s > \dots \Rightarrow$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=D+l_s+s-n-l_i+1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\begin{aligned}
 & n \wedge l_s > D - n + 1 \wedge \\
 & 2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge \\
 & j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow
 \end{aligned}$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D) \dots}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()}$$

GUIDANCE

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \Rightarrow$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s, j_{ik}, l_i) \in Z^{S_{D-n+1}}} \left(\frac{(D-k)!}{(D-j_s-k+1)! \cdot (n-1)!} - \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+2)}^{(l_i-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_{ik} \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge j_{sa}^{ik} - l_{ik} \Rightarrow$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=l_i+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

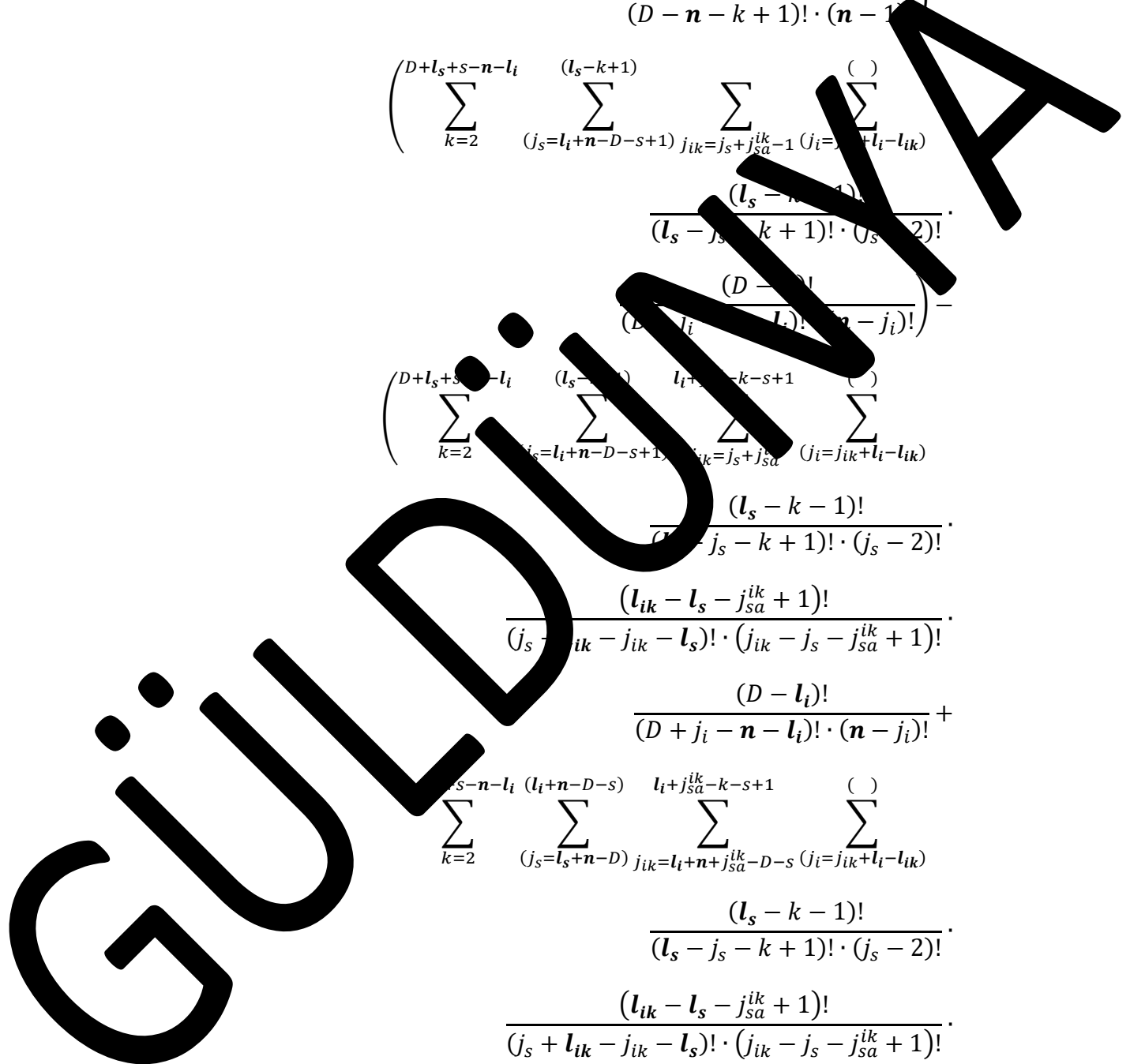
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \cdot \frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D-l_i)!}{(D-l_i-l_j)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$



$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$z^{S_{j_s, j_{ik}, j_i}^{DS, B}} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+s-k+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n + 1 \wedge D - n + 1$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - l_s \wedge l_{ik} - j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!}$$

$$\binom{D+l_s+s-n-l_i}{k=2} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s-1}^{(l_{ik}-k+1)} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\binom{D+l_s+s-n-l_i}{k=2} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i_l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i_l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=s+1)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i_l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{i^{l-1}} \sum_{(j_{ik}=j_i+l_{ik}-l_i)}^{(l_s+s-k)} \sum_{(j_i=s)}^{(l_s+k-1)!} \frac{(l_s+k-1)!}{(i-k+1)! \cdot (j_s-2)!} \frac{(D-i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{(j_s=1)}^{i^l} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{(j_i=s)}^{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_i + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{i^{l-1}} \sum_{(j_{ik}=j_i+l_{ik}-l_i)}^{(l_s+s-k)} \sum_{(j_i=s+1)}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$f_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{i^{l-1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{j_i=j_{ik}+l_i-l_{ik}}^{l_{ik}-k+1} \frac{(j_s-k-1)!}{(j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{j_s=1}^{i^l} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{j_i=s}^{()} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s = D - n + 1 \wedge$$

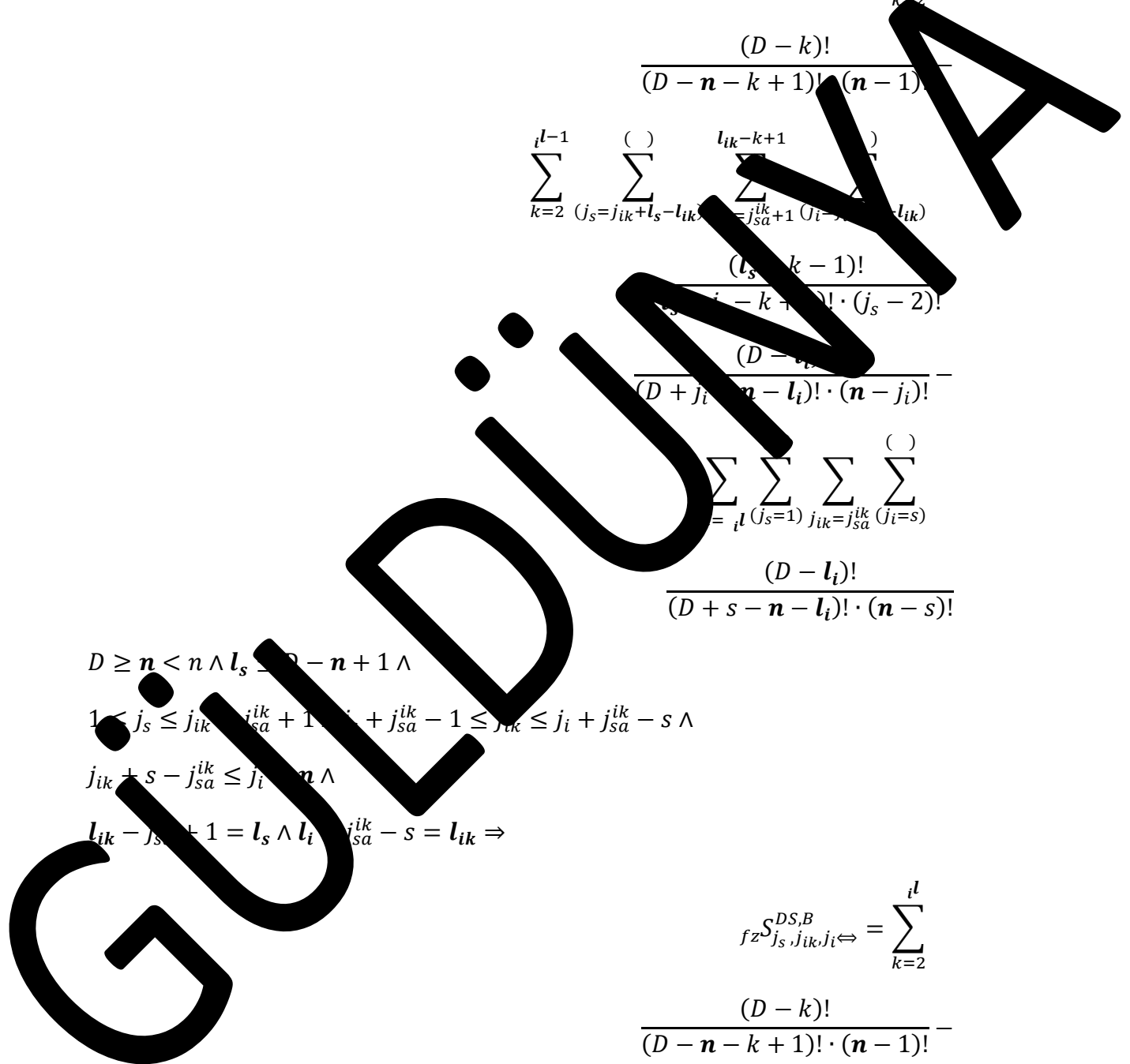
$$1 < j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge j_{ik} + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j_i=j_{ik}+l_i-l_{ik}}^{()}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=1)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$f_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{(l_i - k - s + 2)} \sum_{(j_s=2)}^{()} \sum_{j_{ik}=j_s + l_{ik} - l_s}^{()} \sum_{(j_i=j_{ik} + l_i - l_{ik})}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=s)}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=2}^{i^{l-1} (l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_i+l_{ik}-l_s)} \sum_{j_i=j_{ik}+l_i-l_{ik}}^{(j_i+l_{ik}-l_s)} \frac{(l_s-k-1)!}{(j_i-k-1)! \cdot (j_s-2)!} \frac{(D-j_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{j_s=1}^{i^l} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_i)} \sum_{j_i=s}^{(j_i)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_i + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{j_s=2}^{(j_i+l_{ik}-l_s)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_i+l_{ik}-l_s)} \sum_{j_i=j_{ik}+l_i-l_{ik}}^{(j_i+l_{ik}-l_s)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_s \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=s+1)}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=s)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=s+2)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k} \sum_{(j_i=l_i-k-j_{sa}^{ik}+2)}^{(l_i-k+1)} \frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i^{l+1})} \sum_{(j_i=s+1)} \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$l_s \leq j_s \leq l_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right.$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_i+j_{s_a}^{ik}} \sum_{(j_i=s+1)}^{(l_s+s-k)} \right.$$

$$\left. \frac{(l_s - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^{l-1}}^{i^l} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{s_a}^{ik}} \sum_{(j_i=s)}^{(\cdot)}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{s_a}^{ik}+1}^{j_i+j_{s_a}^{ik}-s-1} \sum_{(j_i=s+2)}^{(l_s+s-k)} \right.$$

$$\left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \cdot$$

$$\frac{(l_i + j_{s_a}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{s_a}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{s_a}^{ik}+1}^{l_s+j_{s_a}^{ik}-k} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \cdot$$

GÜLDÜMÜŞA

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_i^{(k)}}^{(l_i - i^{k+1})} \sum_{(j_i=s+1)}^{()}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik} - s)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{()} \sum_{(j_i=s+1)}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_i=s)}^{()}$$

GÜLDÜNYA

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=s+2)}^{(l_s+s-k)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \quad \left. \sum_{k=2}^{i-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_s+s-k+1)}^{(l_{ik}-j_{sa}^{ik}+1)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \quad \left. \sum_{k=i}^{\binom{)}{}} \sum_{(j_s=1)}^{(l_{ik}+s-i-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=s+1)}^{(l_{ik}-j_{sa}^{ik}+1)} \right. \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n \wedge n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$l_i \leq D + s - n \Rightarrow$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s_a}^{l_{ik}-k+1}}^{()} \sum_{(j_i=j_{ik}-j_{s_a}^{ik})}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i-k+1)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{s_a}^{ik}}^{()} \sum_{(j_i=s)}^{()} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s_a}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{s_a}^{ik}+1)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{s_a}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{s_a}^{ik}-j_{ik}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{s_a}^{ik}}^{(l_i-i^{l+1})} \sum_{(j_i=s+1)} \frac{(l_i+j_{s_a}^{ik}-l_{ik}-s)!}{(l_i+j_{s_a}^{ik}-j_i-l_{ik})! \cdot (j_i-s)!} \right)$$

GÜLDÜMÜN YA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

GÜLDÜZMUKA

$$\sum_{k=0}^{i-1} \binom{DS,B}{j_{ik}, j_{ik} j_i} \frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{l-1} \sum_{(j_s=1)}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{ik}=j_{sa}^{ik})} \sum_{(j_i=s)}^{(j_i=s)} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \right)$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i - i + 1)} \sum_{(j_i=s+1)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{ik} \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=j_{ik} - j_{sa}^{ik} + 1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik} + 1}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i=j_{ik} + l_i - l_{ik})}^{(\cdot)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\cdot)} \sum_{(j_i=s)}$$

$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=2)}^{l_s + j_{sa}^{ik} - k} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{(j_i = j_{ik} + l_i - l_{ik})} \sum_{(j_i = j_{ik} + l_i - l_{ik})} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s = l_s - k + 1)}^{l_i + j_{sa}^{ik} - s + 1} \sum_{j_{ik} = j_{sa}^{ik} - k + 1}^{(j_i = j_{ik} + l_i - l_{ik})} \sum_{(j_i = j_{ik} + l_i - l_{ik})} \\
 & \frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{(j_s=1)} \sum_{(j_s=1)}^{l_i + j_{sa}^{ik} - i^{l-s+1}} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{(j_i = j_{ik} + l_i - l_{ik})} \sum_{(j_i = j_{ik} + l_i - l_{ik})} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D - n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq l_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

GÜLDÜMBA

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} - \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} (j_i=j_{ik}+s-j_{sa}^{ik}) \frac{(l_s-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) \right) - \left(\sum_{k=i^l}^{i^{l-1}} \sum_{(j_s=1)}^{(l_i-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} (j_i=j_{ik}+s-j_{sa}^{ik}+1) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \right) + \sum_{k=i^l} \sum_{(j_s=1)}^{(l_i-l+1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s+1)} \frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(l_i+j_{sa}^{ik}-j_i-l_{ik})! \cdot (j_i-s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n \Rightarrow$$

GÜLDÜZİNKA

$$\begin{aligned} & \sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \binom{i}{k} \binom{l_s-k-1}{(l_s-j_s-k+1) \cdot (j_s-2)!} \\ & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\ & \sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \\ & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})} \binom{l_s-k-1}{(l_s-j_s-k+1) \cdot (j_s-2)!} \right. \\ & \left. \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \right) \end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s+1)}^{(l_i - i + 1)}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{ik} \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i l} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i l - 1} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1} \sum_{(j_i=j_{ik} + l_i - l_{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{()}$$

$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik} - k + 1} \sum_{j_{ik}=j_s + j_{sa}^{ik}}^{(j_i=j_{ik} + l_i - l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik} - k + 1} \sum_{j_{ik}=j_s + j_{sa}^{ik} + 1}^{(j_i=j_{ik} + l_i - l_{ik})} \frac{(l_{ik} - l_s - j_{sa}^{ik})!}{(j_s + l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n \wedge l_i \leq n$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} + 1 \leq l_i \leq l_s \wedge l_i - j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D + l_s + s - n - l_i} \sum_{(j_s=j_{ik} + l_s - l_{ik})}^{(j_i=j_{ik} + l_i - l_{ik})} \sum_{j_{ik}=j_i + j_{sa}^{ik} - s}^{(l_{ik} + s - k - j_{sa}^{ik} + 1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s\bar{a}}^{ik}+1}^{j_i+j_{s\bar{a}}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_{ik}+s-k-j_{s\bar{a}}^{ik}+1)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{s\bar{a}}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{s\bar{a}}^{ik} - j_{ik} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s\bar{a}}^{ik}+1}^{l_{ik}} \sum_{(j_i=l_{ik}+s-k-j_{s\bar{a}}^{ik}+2)}^{(l_{ik}+1)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{s\bar{a}}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{s\bar{a}}^{ik} - j_{ik} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s\bar{a}}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{s\bar{a}}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{s\bar{a}}^{ik} - j_{ik} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=i}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{s\bar{a}}^{ik}}^{(l_i-i+1)} \sum_{(j_i=l_i+n-D)}^{()} \right)
 \end{aligned}$$

GÜLDENYA

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik} \Rightarrow$$

GÜLDÜMÜYA

$$j_{sa}^{ik} = \left(\sum_{k=2}^{i,l} \dots \right)$$

$$\left(\frac{(l_s - k)!}{(D - l_i - k + 1)! \cdot (n - 1)!} \right) -$$

$$\sum_{k=2}^{l_s+n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)} \dots$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j_i=l_i+n-D)} \dots \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s_a}^{ik}+1}^{l_s+j_{s_a}^{ik}-k} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{s_a}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{s_a}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{s_a}^{ik}+1}^{l_s+j_{s_a}^{ik}-k} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{s_a}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{s_a}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{s_a}^{ik}}^{(l_i-i^{l+1})} \sum_{(j_i=l_i+n-D)} \\
 & \frac{(l_i + j_{s_a}^{ik} - l_{ik} - s)!}{(l_i + j_{s_a}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D - n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{s_a}^{ik} + 1 \wedge j_s + j_{s_a}^{ik} - 1 \leq j_{ik} \leq j_i + j_{s_a}^{ik} - s \wedge$$

$$j_{ik} + s - j_{s_a}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{s_a}^{ik} + 1 > l_s \wedge l_i + j_{s_a}^{ik} - s = l_{ik} \wedge$$

$$D + j_{s_a}^{ik} - n < l_{ik} \leq D + l_s + j_{s_a}^{ik} - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \sum_{k=2}^{(i)} \sum_{(j_s=1)}^{(i)} \sum_{j_{ik}=l_i}^{(i-l_i)} \sum_{(j_i=n-D)}^{(i-l_i-1)}$$

$$\frac{(l_{ik} - j_{ik} - l_s - 1)!}{(l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i - j_i - n - l_i)!}{(D - l_i - j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg| -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(i)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(i)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Bigg| -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{()} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \quad \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i^{l+1})} \sum_{(j_i=l_i+n-D)} \\
 & \quad \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!}
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik} \Rightarrow$$

GÜLDENKA

$$\begin{aligned} & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{l_s+l_{ik}-j_{ik}}{j_{ik}=l_i} \sum_{(j_{sa}^{ik}=D-s)} \binom{l_s+j_{sa}^{ik}}{j_i=j_{ik}+s-j_{sa}^{ik}} \\ & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\ & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{l_s+j_{sa}^{ik}-k}{j_{ik}=l_i+n+j_{sa}^{ik}-D-s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)} \binom{l_i-k+1}{j_i=l_i+n-D} \\ & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\ & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{l_i+n+j_{sa}^{ik}-D-s-1}{j_{ik}=j_{sa}^{ik}+1} \sum_{(j_i=l_i+n-D)} \binom{l_i-k+1}{j_i=l_i+n-D} \end{aligned}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{l_s+j_{sa}^{ik}-k}{j_s} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i-k+1} \sum_{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=l_i+n-D)}^{(l_i - i^{l+1})} \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - i^{l-1} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz S_{j_s j_{ik} j_i}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right. \\
 & \quad \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
 & \sum_{k=2}^{D+l_s+s-n} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \\
 & \quad \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}
 \end{aligned}$$

GÜLDENYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=0}^{i-l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-i-l-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + j_{sa}^{ik} - n - 1 =$$

$$fz^{S_{j_s, j_{ik}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-k+1)} \right)$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{(i)} \sum_{(j_s=1)}^{(l_i-i+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-i+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-i+1)} \\
 & \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{(D-l_i)} \right)$$

$$\frac{\binom{D-l_i}{k+1}}{(D-n+k+1)! \cdot (n-j_i)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{j_s=l_s}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}} \right)$$

$$\frac{(l_i - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{j_s=l_s}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - l_{ik} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^{l-1}}^{(l_i-i^{l+1})} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j_i=l_i+n-D)}$$

$$\frac{(l_i + j_{sa}^{lk} - l_{ik} - s)!}{(l_i + j_{sa}^{lk} - j_i - l_{ik})! \cdot (j_i - s)!}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} - l_{ik} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - l_{ik} < l_{ik} \leq D - l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s+1)} \sum_{j_{ik}=l_i+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZMAYA

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-i^{l-s+1}} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$fz S_{j_s, j_{ik}, j_i}^{D, s} = \left(\sum_{k=2}^{i^l} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{(D+l_s+n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$\left(\sum_{k=2}^{(D+l_s+n-l_i)} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_i+l_{ik}-l_i}^{()} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$

$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_s+s-k+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+n-l_i+1}^{i-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_{ik}+s-i-j_{sa}^{ik}+1)} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$1 \leq l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s j_{ik} j_i}^{DS,B} = \left(\sum_{k=2}^{l_i} \right.$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_{ik}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\cdot)} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (j_i)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\cdot)} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

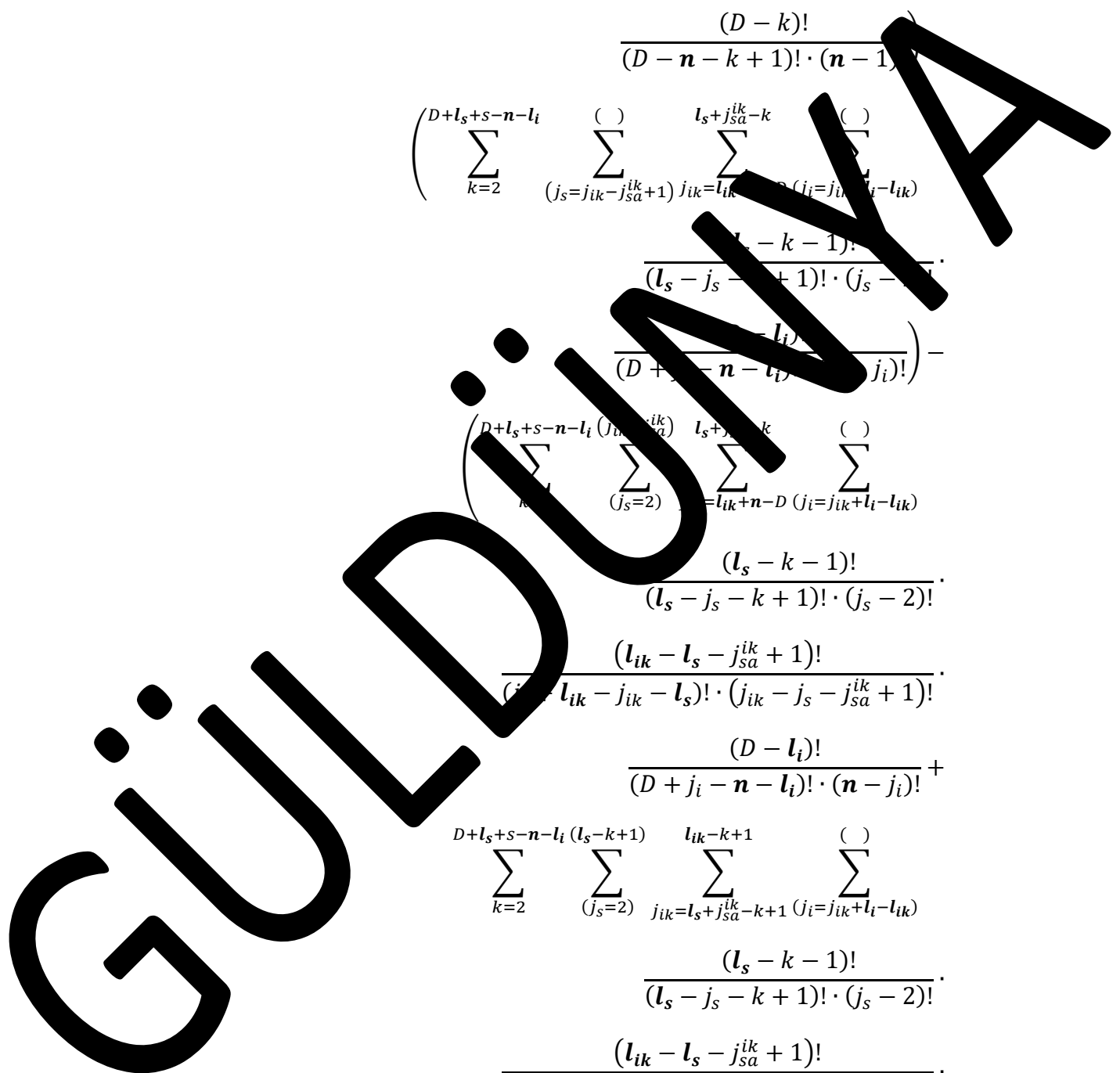
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\cdot)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{()} \sum_{(j_s=l_{ik}+n-D)}^{()} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \frac{(D - l_s - j_{sa}^{ik})!}{(D - j_{ik} - n - l_i + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_{sa}^{ik} < n \wedge$$

$$l_i - j_{sa}^{ik} + 1 \geq l_s \wedge l_i - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n + 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}+n-D-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=D+l_s+s-n-l_i+1}^{l_i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})} \right) \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=l} \sum_{(j_s=1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}
 \end{aligned}$$

GÜLDENYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_{ik} + s - n - j_{sa}^{ik} \Rightarrow$$

GÜLDÜMÜNYA

$$\sum_{k=2}^{i^l} \left(\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} - \sum_{j_s=2}^{l_s - k + 1} \sum_{j_{ik}=j_s + l_{ik} - l_s} \sum_{j_i=l_i + n - D}^{l_i - k + 1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{()} \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_i=l_i + n - D}^{(l_i - i + 1)} \frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

GÜLDÜNYA

$$fz S_{j_s, j_{ik}, j_i}^{DS, B} \left(\sum_{k=2}^{i^l} \frac{(D - n - k)!}{(D - n - k - 1)! \cdot (n - 1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1} (l_s - k)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \cdot \left(\sum_{k=2}^{l_{ik} - i^{l+1}} \frac{(l_s - j_{sa}^{ik} + 1)!}{(j_s - l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \right) \cdot \left(\sum_{k=2}^{D - l_i} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \sum_{k=i^l}^{(j_s=1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{j_i=j_{ik}+l_i-l_{ik}}^{(j_s=1)} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

SİMETRİDEN SEÇİLEN DÖRT DURUMA GÖRE KALAN SİMETRİK BİTİŞİK-AYRIM BULUNMAMA OLASILIĞI

Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin ilk herhangi iki ve son bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrinin ilk herhangi iki ve son bağımlı durumunun bulunabileceği olaylara bağlı, simetrinin bitişik ve ayrık olarak bulunmadığı dağılımların sayısı; dağılımın ilk durumuyla başlayan dağılımlar hariç simetride bulunmayan durumların bulunabileceği diğer dağılımların sayısından (son olayın durumunun tek simetrik olasılıkları), simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı elde edilebilir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin ilk herhangi iki ve son bağımlı durumu arasında, simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu simetrinin ilk herhangi iki ve son bağımlı durumuna göre, bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı için,

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \sum_{k=2}^{fz^{DS}} fz_1^{DS} - fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS}$$

eşitliğin sağındaki terimlerin ifadeleri aşağıda

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=l_i+}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

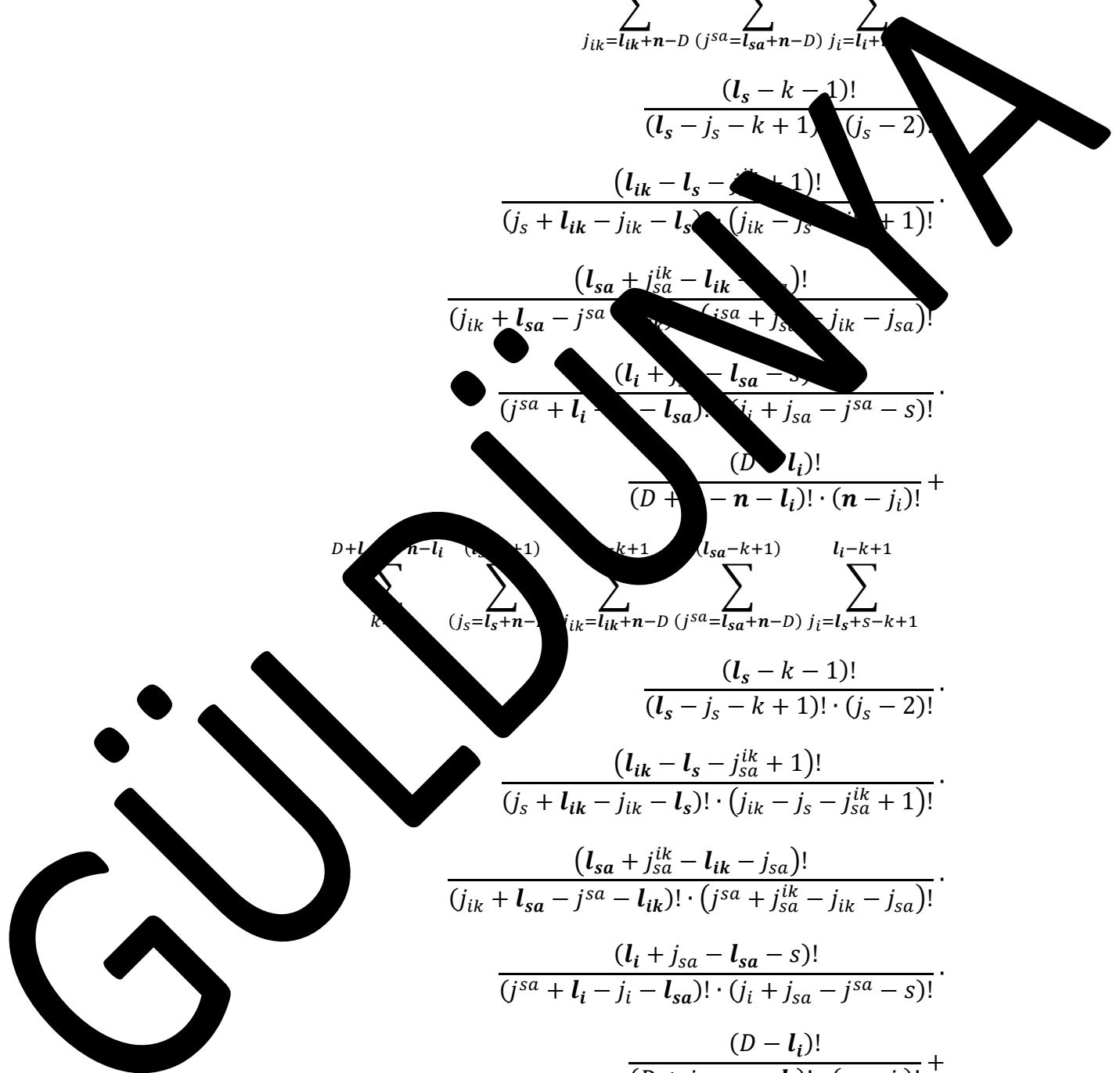
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$



$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}-s)}^{(j_{sa}^{ik}-k)} \sum_{j_i=l_i+n-D}^{(j_i-k)} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=D+l_s+s-n-l_i}^{D-1} \sum_{(j_s=l_s+n-D)}^{(l_s-k)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

eşitlikleri elde edilir. Bu eşitliklere simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılık eşitliği denilecektir. Bağımlı olasılıklı farklı dizilimsiz dağılımlardan,

dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrisinin ilk herhangi iki ve son bağımlı durumu arasında simetride bulunmayan bağımlı durumların bulunmadığı ve bulunduğu, simetrisinin ilk herhangi iki ve son bağımlı durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunmadığı dağılımların sayısına *simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı* denir. Simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz kalan simetrik bitişik-ayrım bulunmama olasılığı $fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B}$ ile gösterilecektir.

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\cdot)} \sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_i + j_{sa} - s)}^{(\cdot)} \sum_{j_i = l_{sa}}^{l_{sa} + s - j_{sa} + 1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} = j^{sa} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i = j_{sa} - s \wedge j^{sa} = j_i + j_{sa} - s \wedge j_{sa} = n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\cdot)} \sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_i + j_{sa} - s)}^{(\cdot)} \sum_{j_i = l_{ik} + n + s - D - j_{sa}^{ik}}^{l_{ik} + s - k - j_{sa}^{ik} + 1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s+j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{()}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{\binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{()}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i < n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge l_i + j_{sa} - s = \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_i+j_{sa}-s}^{j_i+j_{sa}-s} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_i+j_{sa}-s}^{j_i+j_{sa}-s} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{n+1}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\sum_{k=2}^{n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$

$\sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})} \sum_{l_i-k+1}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa}^{ik} - j_{sa} = l_{sa} - j_{sa} \wedge$$

$$f_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{D-n+1} \sum_{j_{sa}^{ik}}^{()} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{j_{sa}^{ik}}^{()} \sum_{j_i=l_s+n+s-D}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(l_s+j_i-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{D-n+1} \sum_{j_{sa}^{ik}}^{()} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{j_{sa}^{ik}}^{()} \sum_{j_i=l_s+n+s-D-1}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}-j_{sa}^{ik}} \binom{D-n+1}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_i=l_s+n+s-D-1}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-j_s-k+1)! \cdot (n-1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+s-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i < n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = j_i \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_s+j_{sa}-k)}^{(l_s+j_{sa}-k)} \sum_{(j_i=j^{sa}+s-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{D-n+1} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{l_{sa}-k} \sum_{j_i=j^{sa}+s-j_{sa}}^{(D-s)-j_{sa}^{ik}+1} \frac{(l_{sa}-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{n+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\sum_{k=2}^{j_{sa} - k} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{()} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{(j_{sa} = l_i + n + j_{sa} - D - s)} \sum_{(j_i = j^{sa} + s - j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - j_{sa} = l_{sa} - j_{sa}$

$f_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{D-n+1} \sum_{j_{sa}=j_s}^{()} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k-s+1)} \sum_{j_{sa}=l_{sa}+D-j_{sa}^{ik}}^{()} \sum_{j_i=j_{sa}+s-j_{sa}}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(l_i+j_i-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j_{sa}^{ik} \wedge l_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{()} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_i+j_{sa}-k-s+1)} \sum_{j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}}^{()} \sum_{j_i=j_{sa}+s-j_{sa}}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{(j_{sa}=l_{ik}+j_{sa}^{ik}-j_{sa}-D-j_{sa}^{ik})}^{(j_{sa}=l_{ik}+j_{sa}^{ik}-j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - 1)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+n+j_{sa}-D-1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i < n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge l_{sa} + j_{sa} - s = \Rightarrow$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+n+j_{sa}-D-1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_{sa} \wedge$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{j_{sa}} \sum_{j_i=j^{sa}+s-j_{sa}}^{j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{j_{sa}} \sum_{j_i=j^{sa}+s-j_{sa}}^{j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{n+1} \frac{(D - n - k + 1)!}{(l_s - k - 1)!}$$

$$\sum_{k=2}^{l_{ik}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_i=l_{ik}+n-D}^{l_{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}+s-1}^{j_{sa}+s-1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - j_{sa} = l_{sa} =$$

$$f_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(\cdot)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(l_i+j_i-s-l_i)! \cdot (n-j_i)!}$$

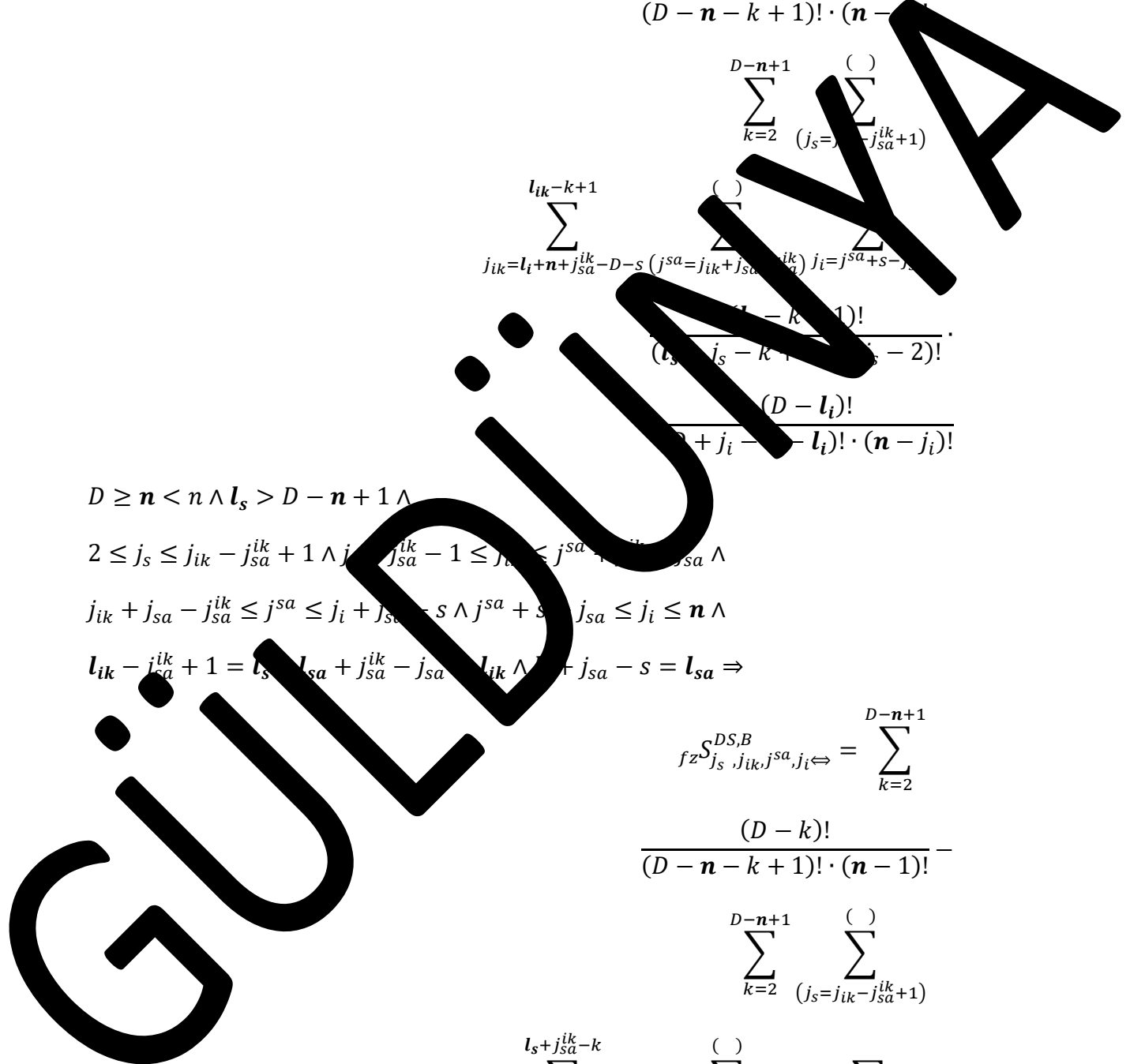
$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(\cdot)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{sa}^{ik-k-s+1}}^{()} \sum_{j_{sa}^{ik-k-s+1}}^{()} \sum_{j_{sa}^{ik-k-s+1}}^{()} \sum_{j_{sa}^{ik-k-s+1}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+k-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i < n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge l_i + j_{sa} - s = \dots \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_{ik}=l_{ik}+n-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}} (l_s-k-1)! \frac{(l_s-j_s-k+1)! \cdot (j_s-2)!}{(D-l_i)!} \frac{(D-l_i)!}{(D-l_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}} (l_i+j_{sa}^{ik}-k-s+1) \frac{(l_i+j_{sa}^{ik}-k-s+1)! \cdot (j_i-2)!}{(D-l_i)!} \frac{(D-l_i)!}{(D-l_i-n-l_i)! \cdot (n-j_i)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{n+1}$$

$$\frac{(D - n - k + 1)!}{(n - 1)!}$$

$$\sum_{k=2}^{n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_s+1}^{j_{sa}^{ik}-k+1} \sum_{j_{sa}^{ik}-D-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - j_{sa} = l_{sa} =$

$f_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_i-k-s+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

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$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}^{(j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}^{(j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}-1}^{(j_{sa}^{ik})} \sum_{(j_s=k+j_{sa}-j_{sa}^{ik})}^{(j_s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

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$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B} j_{ik}, j^{sa}, j_i \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-j_s-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B} j_{ik}, j^{sa}, j_i \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} < n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{ik} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_i-k-s+2)}$$

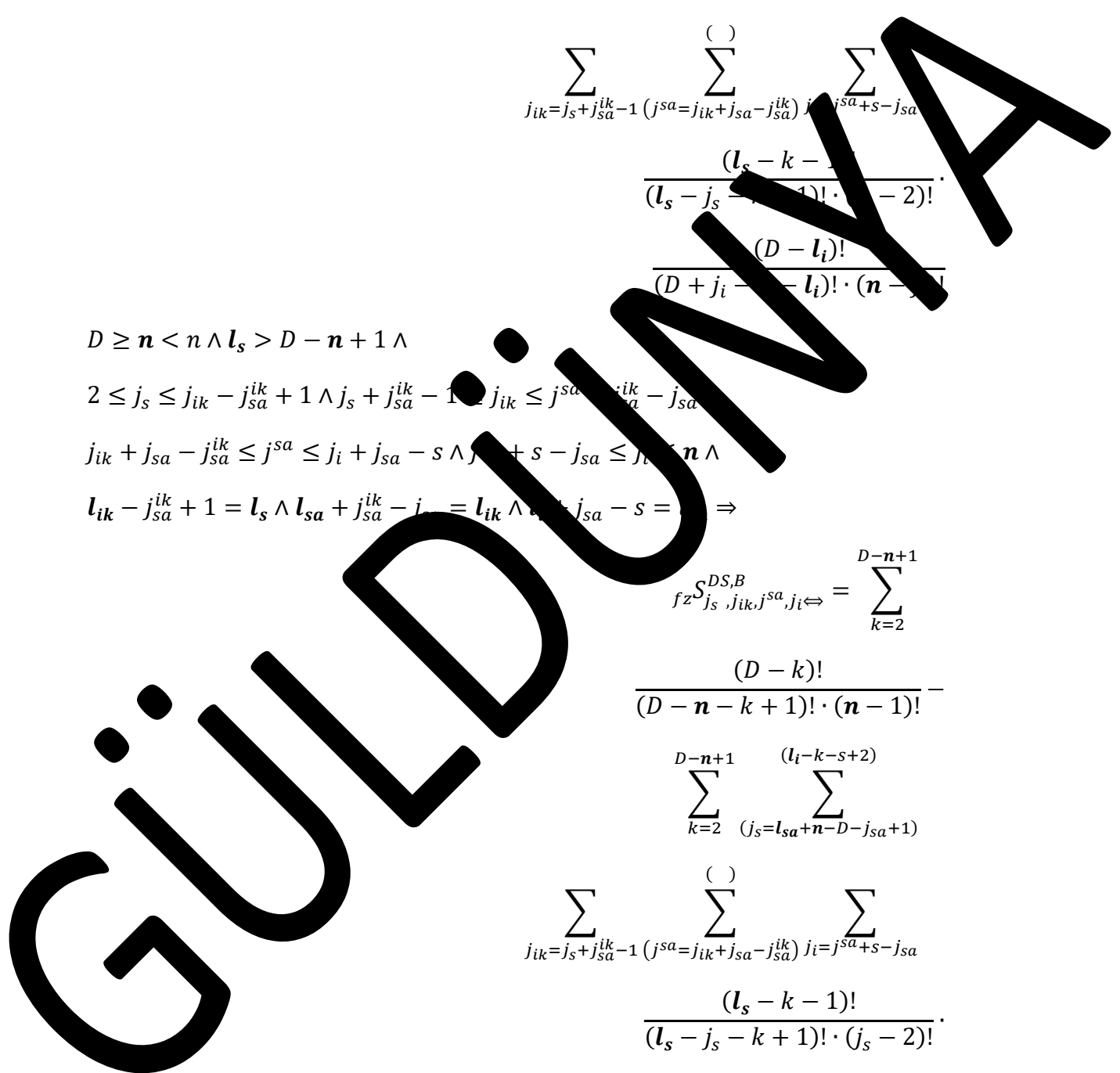
$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$



$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j^{sa}+s-j_{sa})}^{(j_i=j^{sa}+s-j_{sa})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j^{sa}+s-j_{sa})}^{(j_i=j^{sa}+s-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{n+1} \frac{(l_s - k - 1)!}{(D - n - k + 1)! \cdot (j_s - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_{ik}+n-D-j_{sa}^{ik}+1}^{(l_i-k-s+2)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}-k-j_{sa}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} = l_{sa} - j_{sa}^{ik} + 1$$

$$f_{(j_s, j_{ik}, j^{sa}, j_i)}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k-s+2)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j_{sa}+s-j_{sa})}^{(l_s-k-1)!} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{sa}-k-j_{sa}+2)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j_{sa}+s-j_{sa})}^{(l_s-k-1)!} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{j_{ik} - j_{sa}^{ik} + 2} \sum_{(j_s = l_s + n - D)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} - 1} \sum_{(j_{sa}^{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{()}{j^{sa}=j_i+j_{sa}-s} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\binom{(D+l_s+s-n-l_i)}{\sum_{k=2}^{j_i+j_{sa}-1} (j_s=j_{ik}-j_{sa}^{ik}+1)}$$

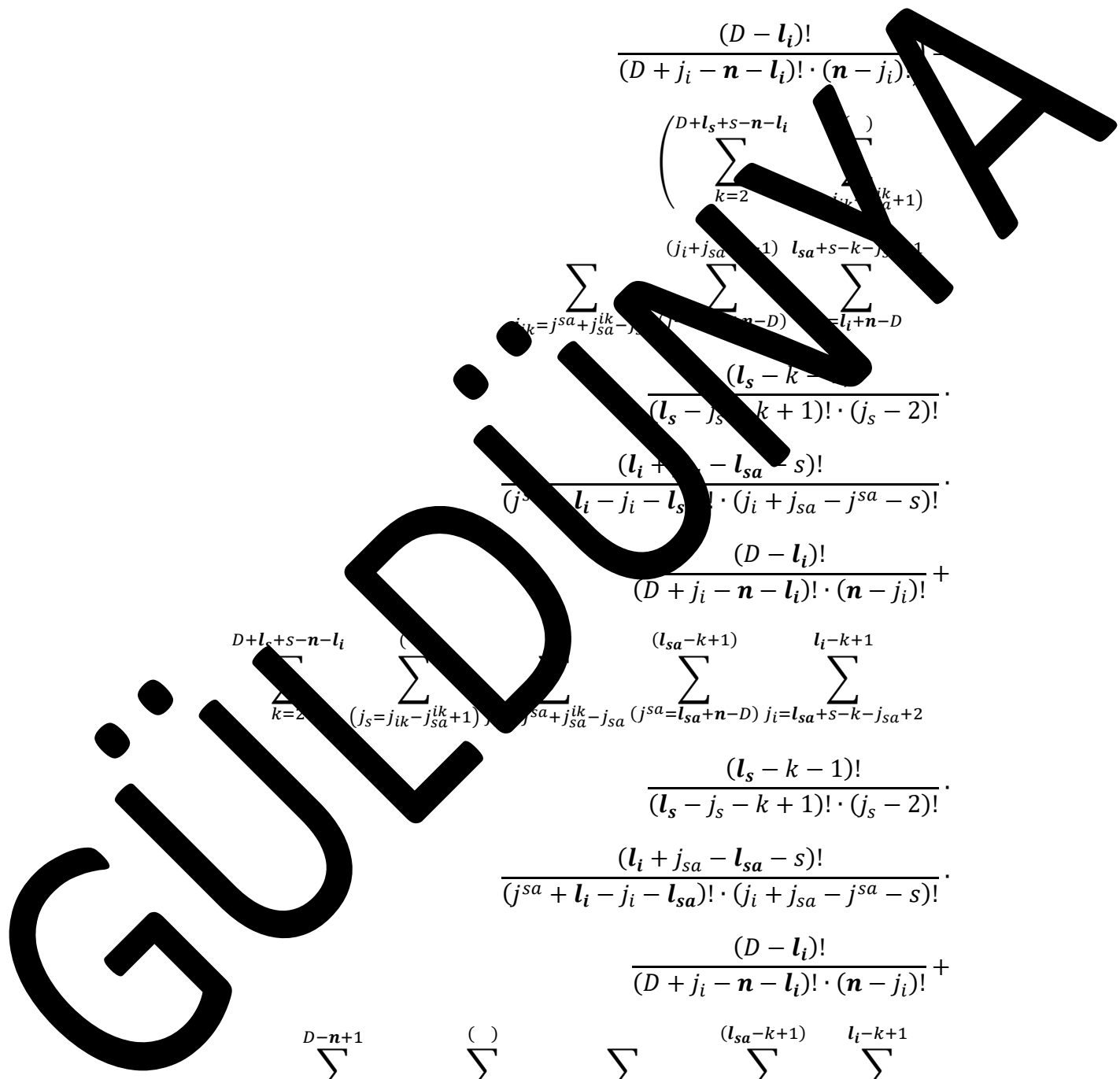
$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{(j_i+j_{sa}-1)}{j^{sa}=l_{sa}+n-D} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k+1)} \sum_{j_i=l_{sa}+s-k-j_{sa}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j_i=l_i+n-D}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, l_i}^{D, s, l_i} \Leftrightarrow = \binom{n+1}{\sum_{k=2}^n}$$

$$\frac{\binom{n+1}{\sum_{k=2}^n}}{(D - l_i - k + 1)! \cdot (n - j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2}^n} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{j_i+j_{sa}-s-1}{\sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n - l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} + j_{sa}^{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg| -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \binom{l_s - k + 1}{k}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}+k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

GÜLDÜNYA

$$f_z^{DS, D} \sum_{j_s, j_{ik}}^{D, D} \Leftrightarrow = \left(\sum_{k=2}^{+1} \frac{(D - l_i)!}{(D - l_i - k + 1)! \cdot (n - 1)!} \right) -$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{ik}+j_{sa}^{ik}-j_{sa}}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{D+l_s} \sum_{j_{sa}=j_i+j_{sa}-s}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDENMAYRA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+n+j_{sa}-D-1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+n+j_{sa}-D-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - j_{sa} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa} - j_{sa} \leq j_{sa} \leq j_s + j_{sa} - s \wedge j_s + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \binom{()}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k}^{l_s+s-k} \binom{(\quad)}{(j_i=l_i+n-D)} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \binom{(\quad)}{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \binom{(\quad)}{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(j_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{D+l_s} \sum_{j^{sa}=j_i+j_{sa}-s}^{()} \sum_{j_i=l_i+n-D}^{()} (j_s=j_{ik}-j_{sa}^{ik}+1)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{j^{sa}=j_i+j_{sa}-s}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_s+n-D}^{(j_{ik}-j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{j^{sa}=j_i+j_{sa}-s}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜMÜNE

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge j_{sa} + j_{sa}^{ik} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right) \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \binom{(\quad)}{(j_i+j_{sa}-s-1)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \binom{(\quad)}{(j_i+j_{sa}-s)} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} -$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-k} \binom{(l_{sa}-k+1)}{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \binom{(\quad)}{(j_i+j_{sa}-s)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \binom{(\quad)}{(j_i+j_{sa}-s)}$$

GÜLDÜZ

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+n-D)}^{(l_{sa}-k+1)} \sum_{(j_{ik}=l_i+n-D)}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(j^{sa} + l_i - j_i - j_{sa} - s)!}{(j^{sa} + l_i - j_i - j_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq l_s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} + j_i + j_{sa} - s \wedge j^{sa} + j_i + j_{sa} - s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > 0 \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)^{-}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_s+s-k)} \sum_{j_i=l_i+n-D}^{(n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_i-k+1} \sum_{j_i=l_s+s-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{l_s+s-k} \sum_{j_i=l_i+n-D}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \left(\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(l_{sa}-k+1)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \frac{(j_{ik} + j_{sa}^{ik} - j_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - s)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge 2 \leq j_s \leq j_{ik} - j_s^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} + j_i + j_{sa} - s \wedge j_i + j_{sa} - s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 > 0 \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{(l_s+s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j_{sa}=j_i+j_{sa}-s}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_i=l_s+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{j_s=l_s+n-D}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{j^{sa}=j_{sa}-s}^{(j_s-k+1)} \sum_{j_i=l_i+n}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge l_s > l_i - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{ik} + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} - 1 > l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\begin{aligned}
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+j_{sa}-s}} \sum_{l_s+s-k}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{(\cdot)}{j_{sa}^{ik}+1}} \sum_{\binom{(\cdot)}{j_{sa}^{ik}+1}} \sum_{\binom{(\cdot)}{j_{sa}^{ik}+1}} \sum_{\binom{(\cdot)}{j_{sa}^{ik}+1}} \sum_{\binom{(\cdot)}{j_{sa}^{ik}+1}} \right) \\
 & \sum_{j_{ik}=l_{ik}}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\cdot)}{j_i+j_{sa}-s-1}} \sum_{\binom{(\cdot)}{l_s+s-k}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_i + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{l_s+s-n-l_i} \sum_{\binom{(\cdot)}{l_s-k+1}} \sum_{\binom{(\cdot)}{l_{ik}-k+1}} \sum_{\binom{(\cdot)}{l_{sa}-k+1}} \sum_{\binom{(\cdot)}{l_i-k+1}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
 \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

GÜLDÜZYA

$$fz_{j_s, j_{ik}, l_i}^{D, s, l_i} \Leftrightarrow = \binom{n+1}{\sum_{k=2}^n} - \frac{\binom{l_s - k}{(D - l_i - k + 1)! \cdot (n - j_i)!} - \binom{l_s - k}{(D - l_i - k + 1)! \cdot (n - j_i)!}}{\binom{l_s - k}{(D - l_i - k + 1)! \cdot (n - j_i)!} - \binom{l_s - k}{(D - l_i - k + 1)! \cdot (n - j_i)!}}$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} - \sum_{k=2}^{(l_s-k+1)} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(j_i=j^{sa}+s-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\binom{()}{\sum_{k=2}^{(D+l_s+s-n-l_i)} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} - \binom{()}{\sum_{k=2}^{(l_s-k+1)} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k+1)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{(l_i-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_j)!}{(D + j_i - n - l_j)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq l_i < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} - j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}{j^{sa}=l_i+n+j_{sa}-D-s} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_{ik}+j_{sa}-k-j_{sa}^{ik}}{j^{sa}=l_i+n+j_{sa}-D-s} \sum_{j_i=j^{sa}+s-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_i+n+j_{sa}-D-s-1}{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}} \sum_{j_i=l_i+n-D} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{D-n+1}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_{ik}+j_{sa}-k-j_{sa}^{ik}+1}{j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}} \sum_{j_i=l_i+n-D} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

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$$fz_{j_s, j_{ik}, l_i}^{D, s, l_i} = \binom{n+1}{\sum_{k=2}^n} - \frac{\binom{l_s - k}{(D - l_i - k + 1)! \cdot (n - l_i)!} - \binom{l_s - k}{(D + l_s + s - n - l_i) \cdot (n - l_i)!}}{\sum_{k=2}^{j_{ik} - j_{sa}^{ik} + 1} \binom{l_s - k - j_{sa}^{ik} + 1}{(j_s = j_{ik} - j_{sa}^{ik} + 1)}} - \sum_{j_{ik} = j^{sa} - k - j_{sa}}^{j_{ik} - j_{sa}} \sum_{(j^{sa} = l_i + n + j_{sa} - D - s) \cdot j_i = j^{sa} + s - j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \left(\sum_{k=2}^{D + l_s + s - n - l_i} \binom{l_s - k}{(j_s = j_{ik} - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{j^{sa} + j_{sa}^{ik} - j_{sa} - 1} \sum_{(j^{sa} = l_i + n + j_{sa} - D - s)} \sum_{j_i = j^{sa} + s - j_{sa}}^{(l_{ik} + j_{sa} - k - j_{sa}^{ik} + 1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n - l_i > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_s - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{j_s} \binom{l_i-k+1}{j_s-k+1}}$$

$$\sum_{j_{ik}=l_s+\dots} \sum_{(j^{sa}=l_i+n+j_{sa}-D-1)} \sum_{(l_{ik}+j_{sa}-k-j_{sa}^{ik})} \sum_{(l_i-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\binom{l_s+s-n}{\sum_{k=2}^{j_s} \binom{l_i-k+1}{j_s-k+1}}$$

$$\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+j_{sa}-D-s)}^{(l_i-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D-l_s+s-n-l_i+1}^{D-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

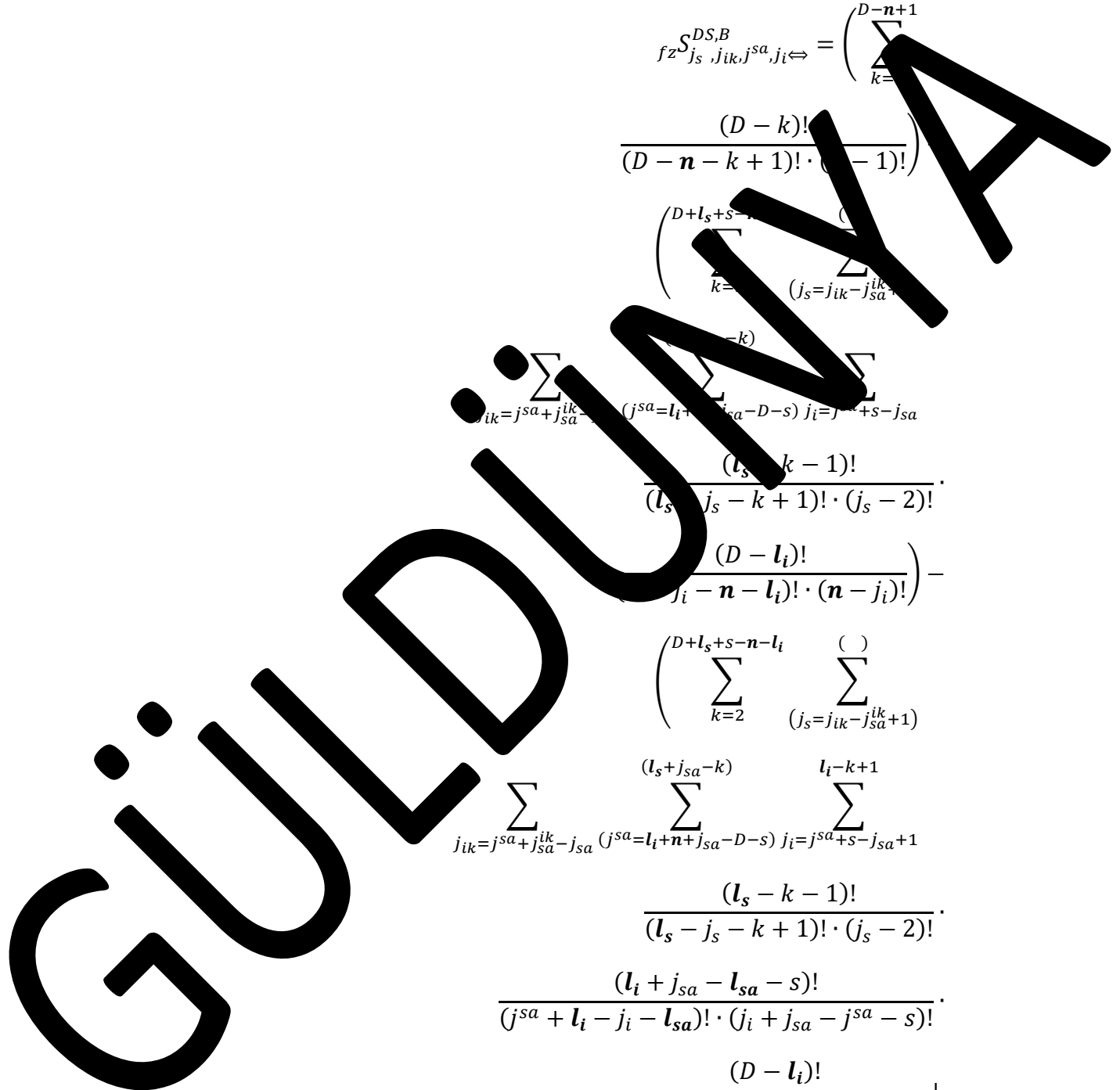
$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \left(\sum_{j_i=j^{sa}+s-j_{sa}+1}^{(j^{sa}+l_i-n+j_{sa}-D-s)} \frac{(D-l_i)!}{(j_i-n-l_i)! \cdot (n-j_i)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \left(\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j^{sa}+l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j^{sa}+l_i+n+j_{sa}-D-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{l_i-k+1} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_i \leq j^{sa} + j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} - s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_i \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right. \\
 & \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(l_s+j_{sa}-k)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(j_{sa}+s-j_{sa})} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_s+j_{sa}-k)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(j_{sa}+s-j_{sa})} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_s+j_{sa}-k-s+1)}^{(l_s+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(j_{sa}+s-j_{sa})} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{D-n+1}{\sum_{k=2}^{D-n+1} (j_s = j_{ik} - j_{sa}^{ik})} \frac{(D-k)!}{(D-n-k+1)! \cdot (j_s-1)!}$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{D+l_s+s-n-l_i} (j_s = j_{ik} - j_{sa}^{ik})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{j^{sa}-k}{j^{sa}=l_i+n+j_{sa}-D-s} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\binom{D-l_i}{j_i-n-l_i} \cdot (n-j_i)! -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{j_{ik}-j_{sa}^{ik}}{\sum_{j_s=l_s+n-D}^{j_{ik}-j_{sa}^{ik}}} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_s+j_{sa}-k}{j^{sa}=l_i+n+j_{sa}-D-s} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s-k+1}{\sum_{j_s=l_s+n-D}^{l_s-k+1}} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_i+j_{sa}-k-s+1}{\sum_{j^{sa}=l_s+j_{sa}-k+1}^{l_i+j_{sa}-k-s+1}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_s-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+n-D}^{()} \sum_{j_s=j_s}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = l_i + j_{sa} - D - s)} \sum_{j_i = j^{sa} - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D-l_i)!}{(D+j_i - l_i)! \cdot (n-j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = l_s + n - D)} \sum_{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = l_i + n + j_{sa} - D - s)} \sum_{j_i = j^{sa} + s - j_{sa} + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i - n - l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = l_s + n - D)} \sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = l_{sa} + n - D)} \sum_{j_i = l_i + n - D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+j_s-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

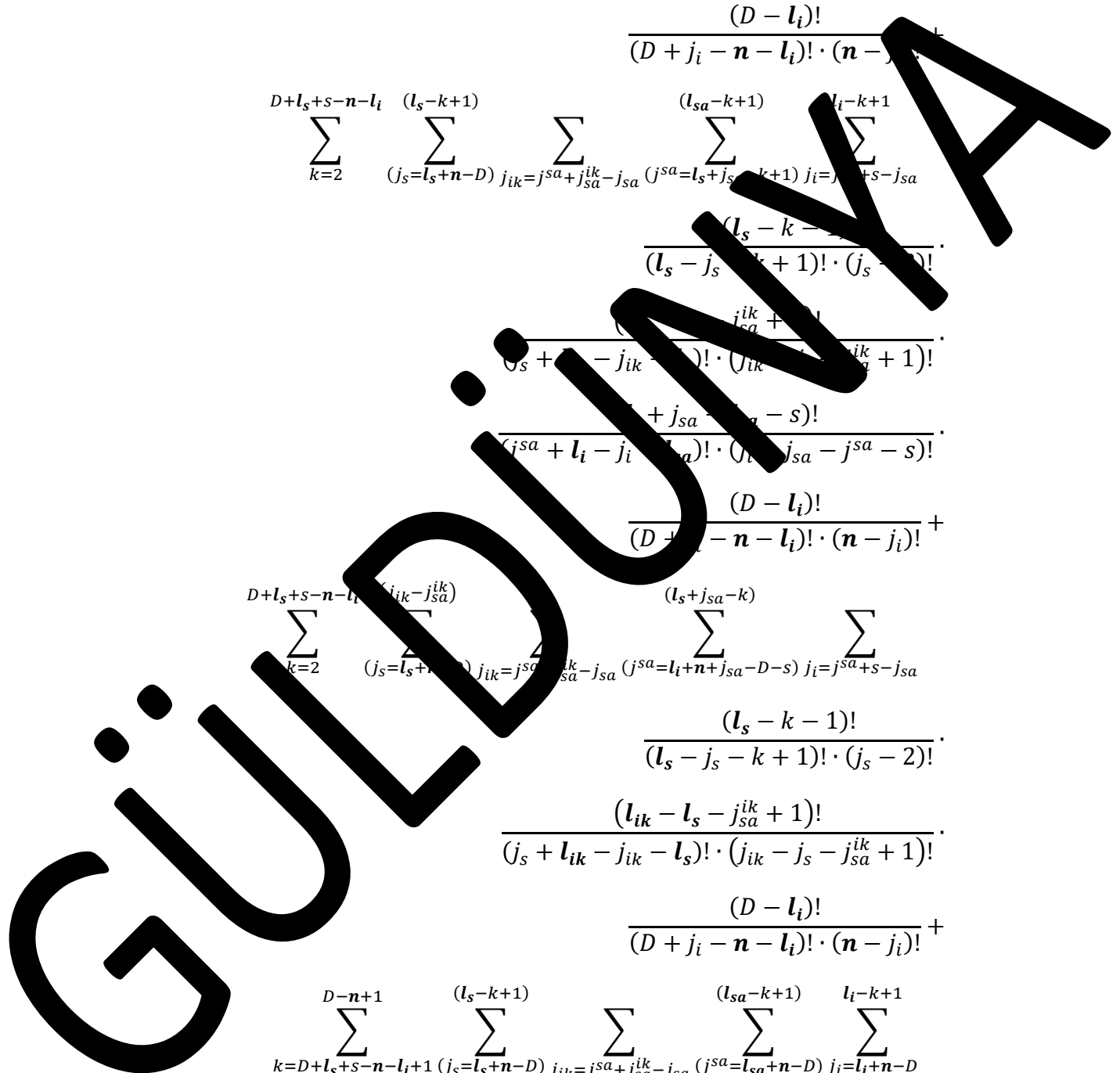
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$



$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

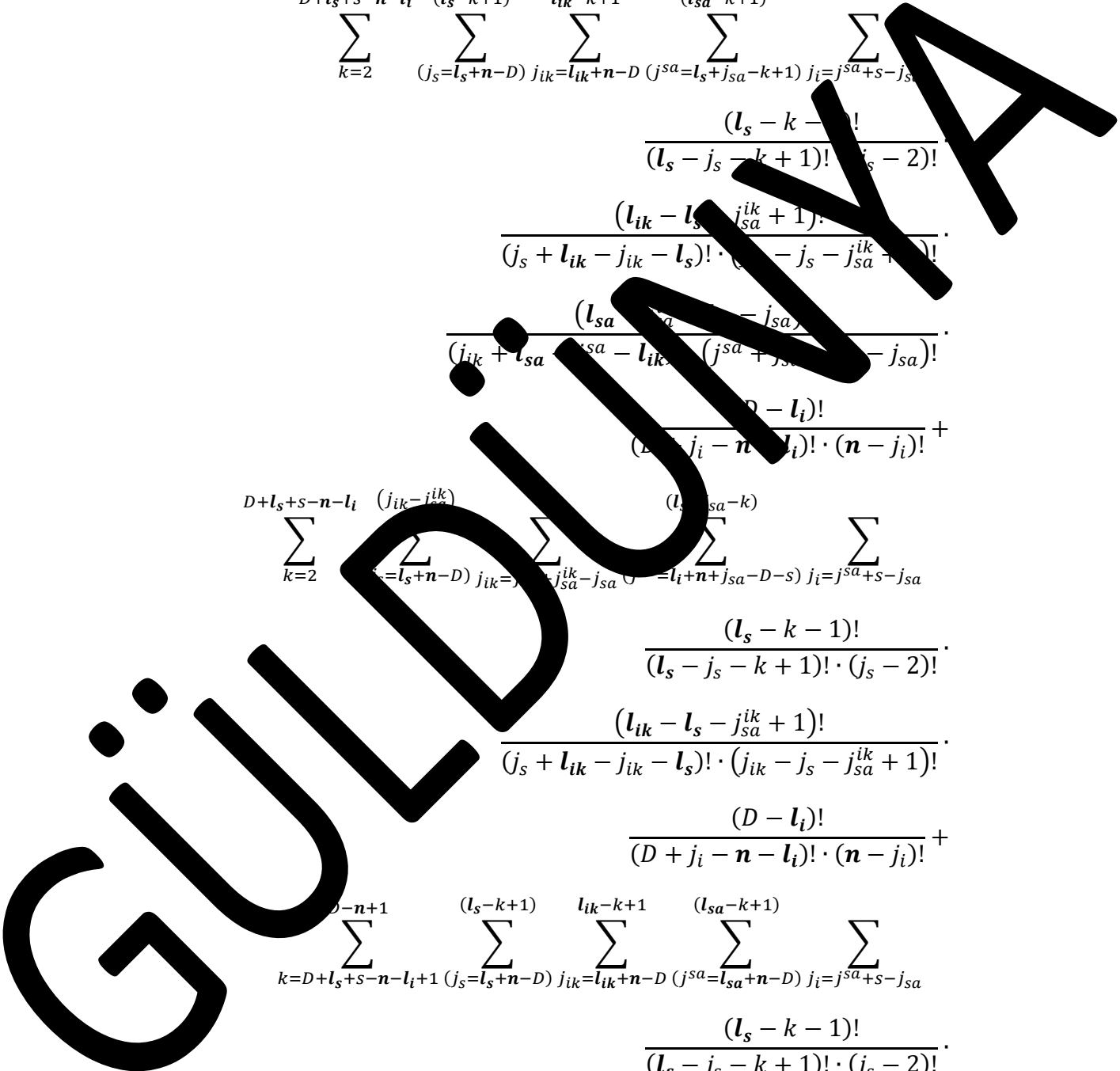
$$fz_{j_s, j_{ik}, j_i}^{D, s, l_i} \Leftrightarrow = \left(\sum_{k=2}^{n+1} \frac{\binom{D-l_i-k}{j_s-k} \binom{D-l_i-k}{j_i-k}}{(D-l_i-k+1)! \cdot (j_s-2)!} \cdot \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}-j_{sa}^{ik}-j_{sa}}^{j_{ik}=j^{sa}-j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}^{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_s=l_s+n-D)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{ik}=l_{ik}+n-D} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}^{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \right)$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+l_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{D+l_s}$$

$$\sum_{j_{sa}=l_i+j_{sa}-D-s}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_s+n-D}^{j_{ik}-j_{sa}^{ik}+1} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

GÜLDÜNYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s-j_{sa}-k)} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j_{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{ik}-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s-n-l_i} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(j_{ik}-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+n-l_i} \sum_{(j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} -$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

GÜLDÜMNYA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_i+n+j_{sa}^{ik}-D-s-1} \binom{(\quad)}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \binom{(\quad)}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - s \leq j_{ik} + j_{sa} - j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_s + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \binom{(\quad)}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{D+l_s}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜNYA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} + j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{ik} + j_{sa}^{ik} - s > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)^{-}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}-j_{sa}}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n-D}^{n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

GÜLDÜZ

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} - l_{ik} - j_{sa}^{ik})!}{(j_{ik} + l_{sa} - j^{sa} - l_{sa})! \cdot (j^{sa} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n \wedge$
 $2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq l_{ik} + j_{sa} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i + j_{sa} - s \wedge j_i + j_{sa} - j_{sa} \leq j_i \leq n \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 \leq l_{sa} + j_{sa}^{ik} - j_{sa} \wedge l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{j_i = j^{sa} + s - j_{sa}}^{(j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1)}^{(l_i + j_{sa} - k - s + 1)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDENMYA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{(l_i+j_{sa}-s+1)} \sum_{j_i=j_{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - j_{sa} \leq j_{sa} - s \leq j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_s + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot \binom{(\quad)}{\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s - k - 1}{j_{sa}^{ik} - j_{sa}}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDENWA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{DS, D} \sum_{j_s, j_{ik}} \dots \Leftrightarrow = \left(\sum_{k=2}^{j_s+1} \frac{(D - l_i)!}{(D - l_i - k + 1)! \cdot (n - l_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+1}^{l_s+j_{sa}^{ik}-k} \sum_{j_{sa}^{ik}=D-s}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{()}$$

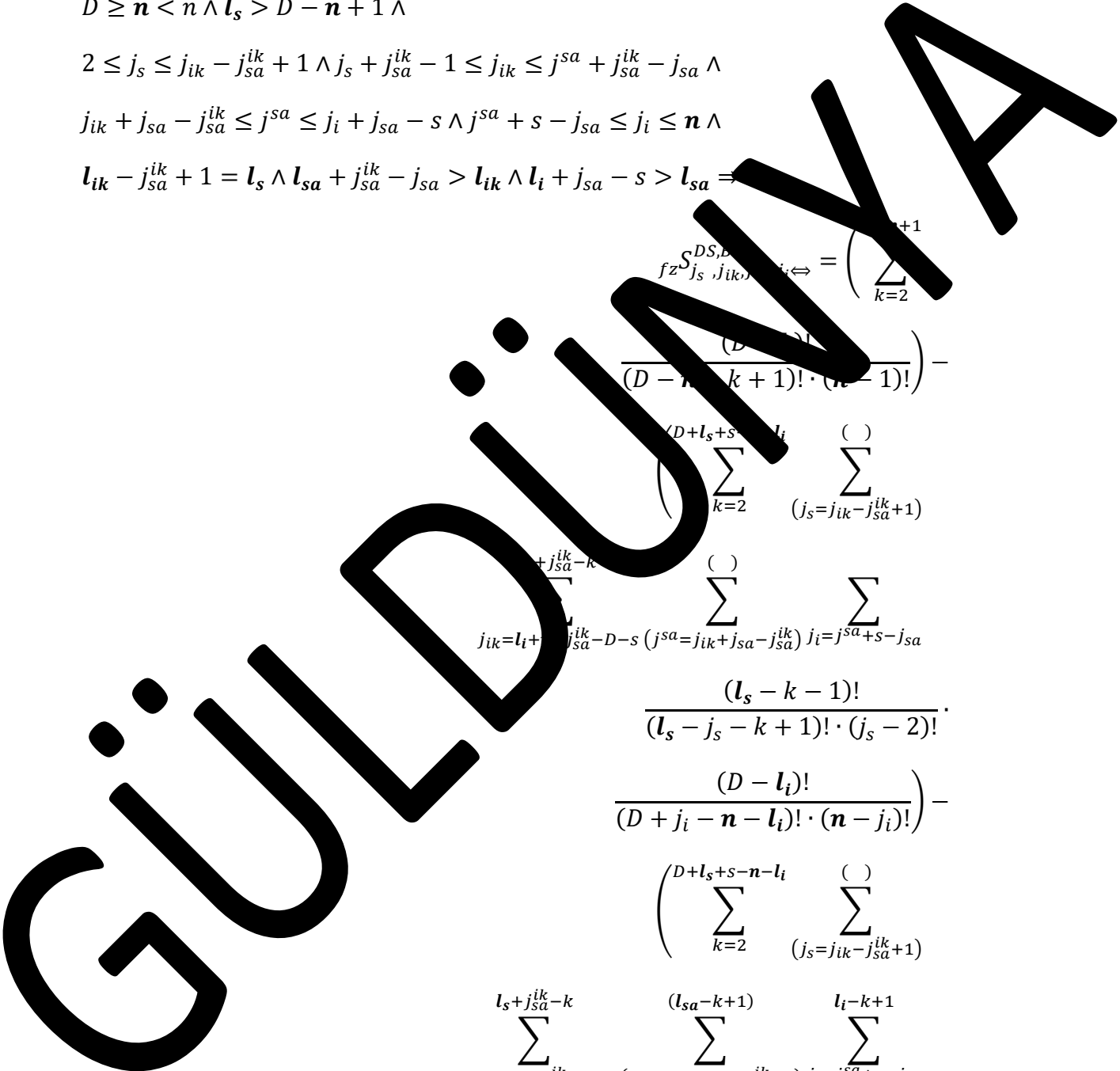
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(l_{sa}=k+1)}^{()} \sum_{(l_i=k+1)}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

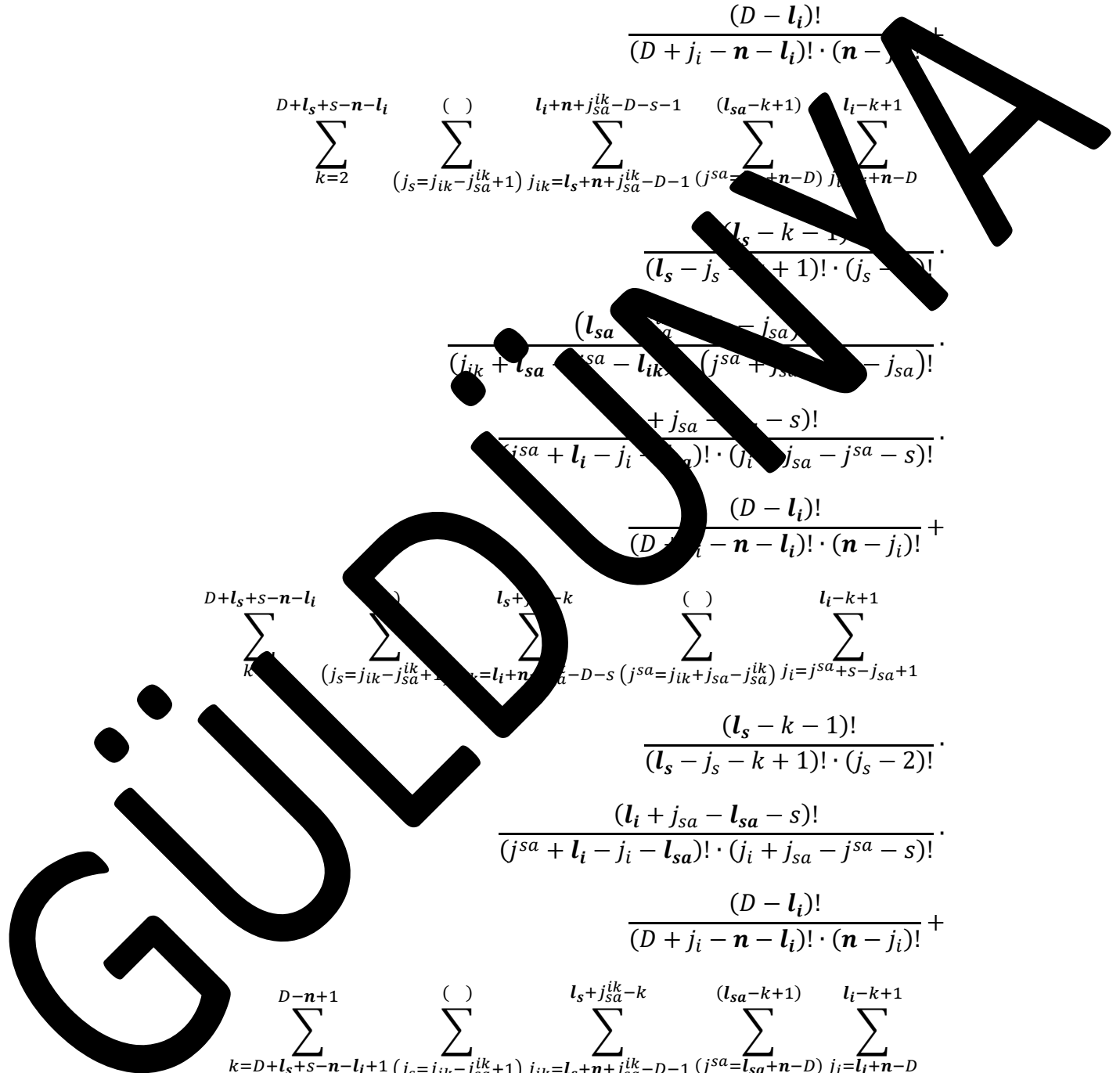
$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

GÜLDÜMÜYA

$$fz_{j_s, j_{ik}, j_i}^{D, s, l_i} \Leftrightarrow = \binom{n+1}{\sum_{k=2}^n} \frac{\binom{l_i - k}{(D - l_i - k + 1)! \cdot (n - l_i)!}}{\binom{l_i - k}{(D + l_s + s - n - l_i) \cdot \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^n} \sum_{j_{ik}=l_i+1}^{l_i+j_{sa}^{ik}-1} \sum_{j_{sa}^{ik}=D-s}^{j_{sa}^{ik}-D-s} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}) j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \binom{D+l_s+s-n-l_i}{\sum_{k=2}^n} \binom{j_{ik}-j_{sa}^{ik}+1}{\sum_{j_s=l_s+n-D}^n} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \binom{l_i-k+1}{\sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}-j_{sa}^{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

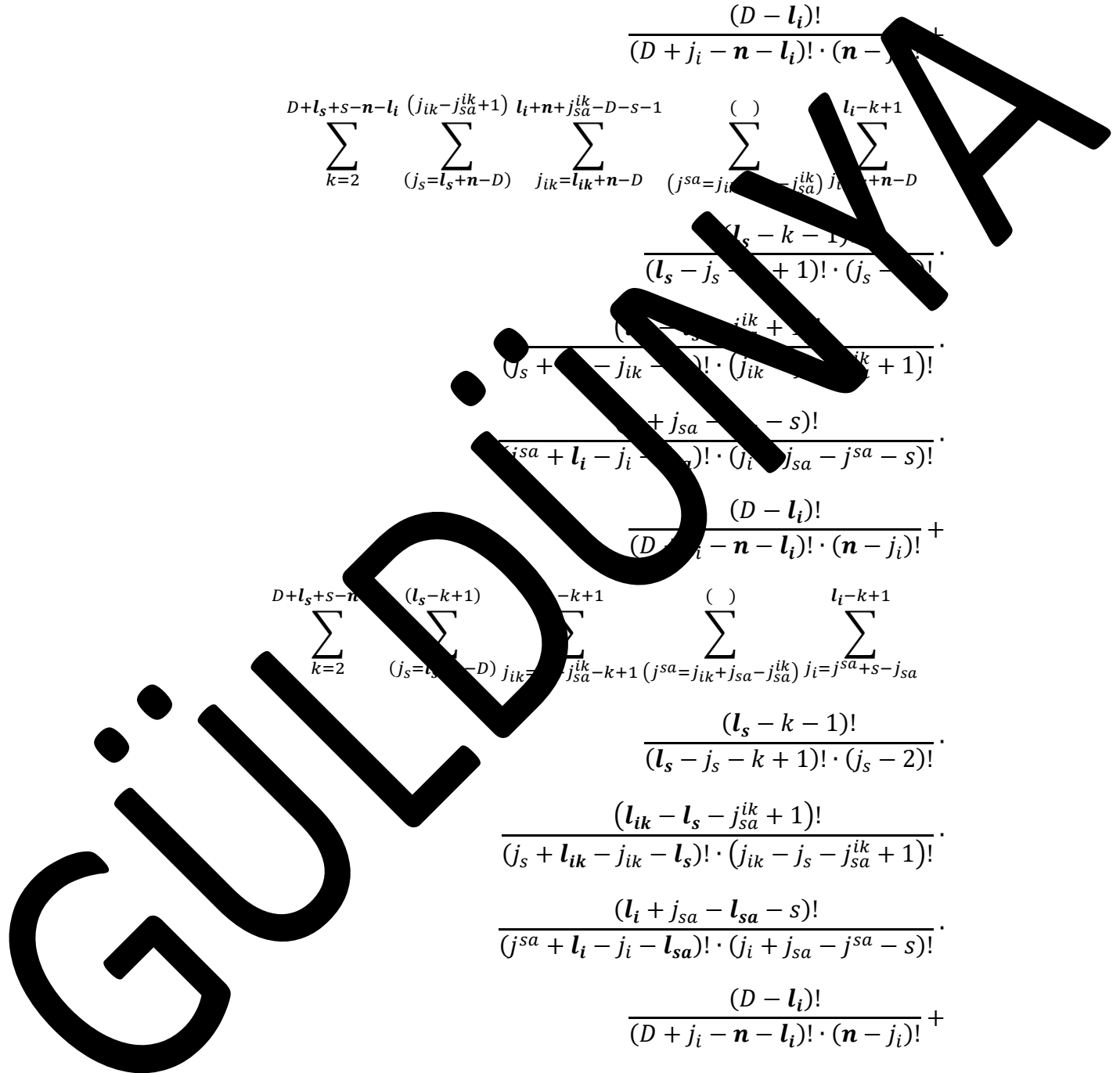
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(j_s - l_s - l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_i - l_i - j_{sa}^{ik} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{(l_{sa}-k+1)} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik}-j_i)}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n-D}^{l_s-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}^{ik}-D-s)}^{(l_s-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{(j_i = j^{sa} + s - j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = l_s + n - D)} \sum_{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1)} \sum_{(j_i = j^{sa} + s - j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

GÜLDÜMBA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}-j_{sa}+1}^{j_s-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_i+n-D)}^{(l_s-k)} \sum_{j_{ik}=l_i+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\begin{aligned}
 f_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} &= \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 &\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) - \\
 &\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \\
 &\frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} - \\
 &\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 &\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!}
 \end{aligned}$$

GÜLDÜMÜYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} + j_{sa} - s > j_{sa} \Rightarrow$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s, j_{ik}, j^{sa}, j_i) \in DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

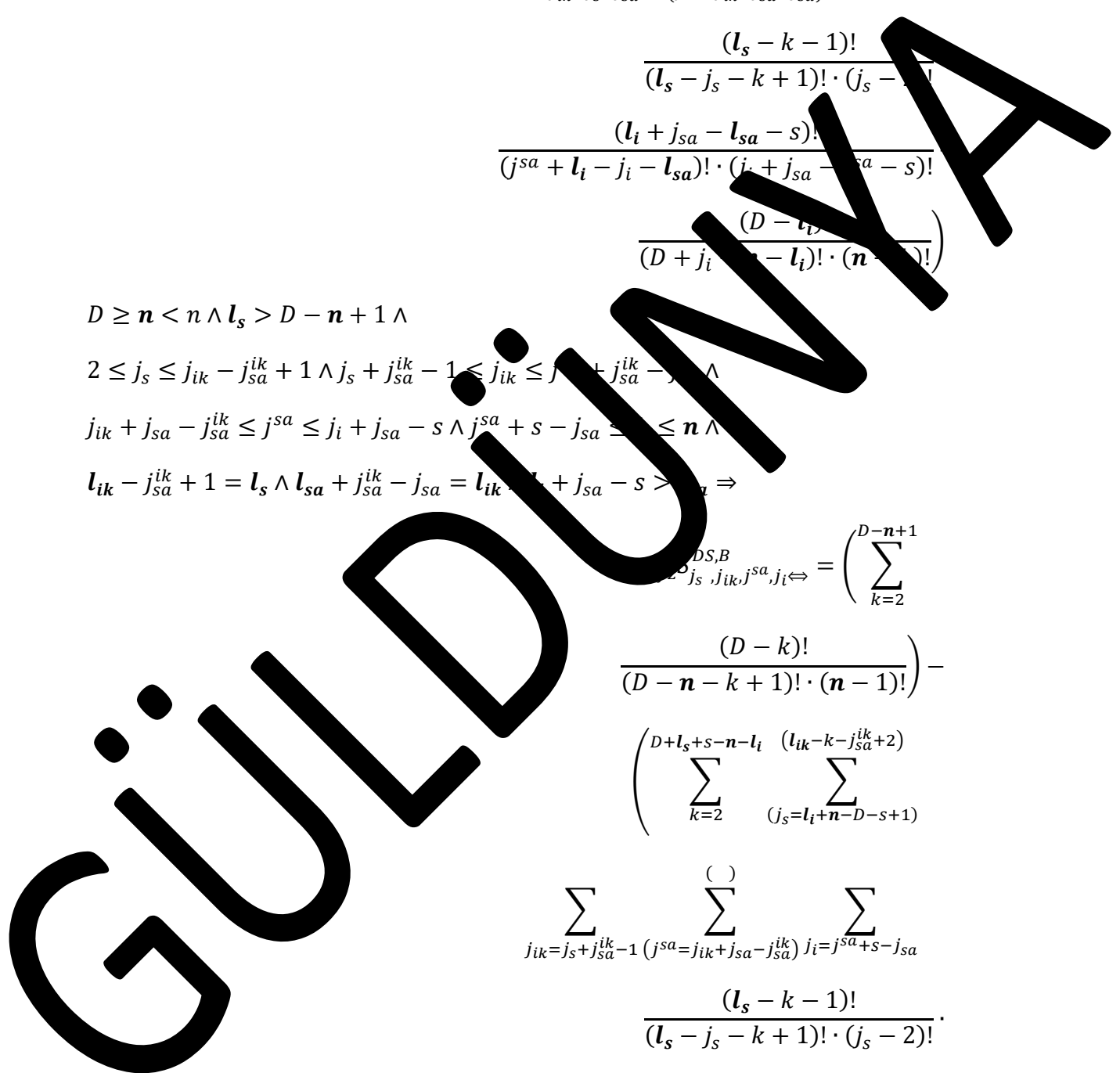
$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} -$$



$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_{ik}-k-j_{sa}^{ik}+2}{(j_s=l_i+n-D-s+1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \binom{(\quad)}{l_i-k+1} \sum_{j_i=j_{sa}+s-j_s} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)} \binom{(\quad)}{l_i-k+1} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{n-1} \binom{l_{ik}-k-j_{sa}^{ik}+2}{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \left(\sum_{l_i=0}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+s-j_{sa})}^{(l_s-k-1)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+s-j_{sa})}^{(l_i+j_{sa}-k-s+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \right.$$

$$\left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_i+n-D-s)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{(j_i=j^{sa}+s-j_{sa})}^{(l_i+j_{sa}-k-s+1)} \right)$$

GÜLDENWA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa}^{ik} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_i+n+j_s-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa}^{ik} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s)}^{(l_i-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

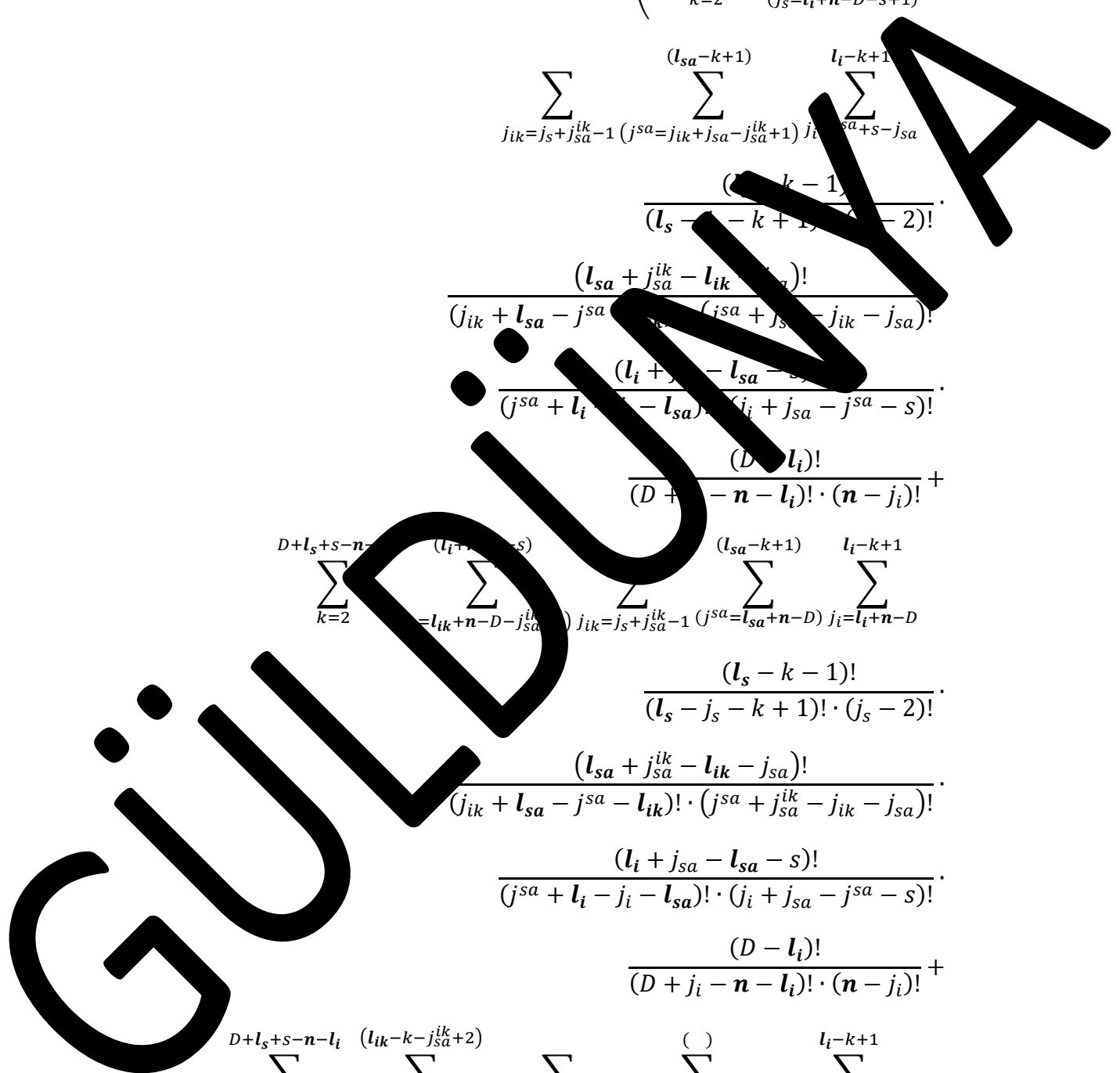
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(j^{sa} + l_i - j_i - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - l_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \cdot \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s)}^{(l_i+n-D-s)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \cdot \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \cdot \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

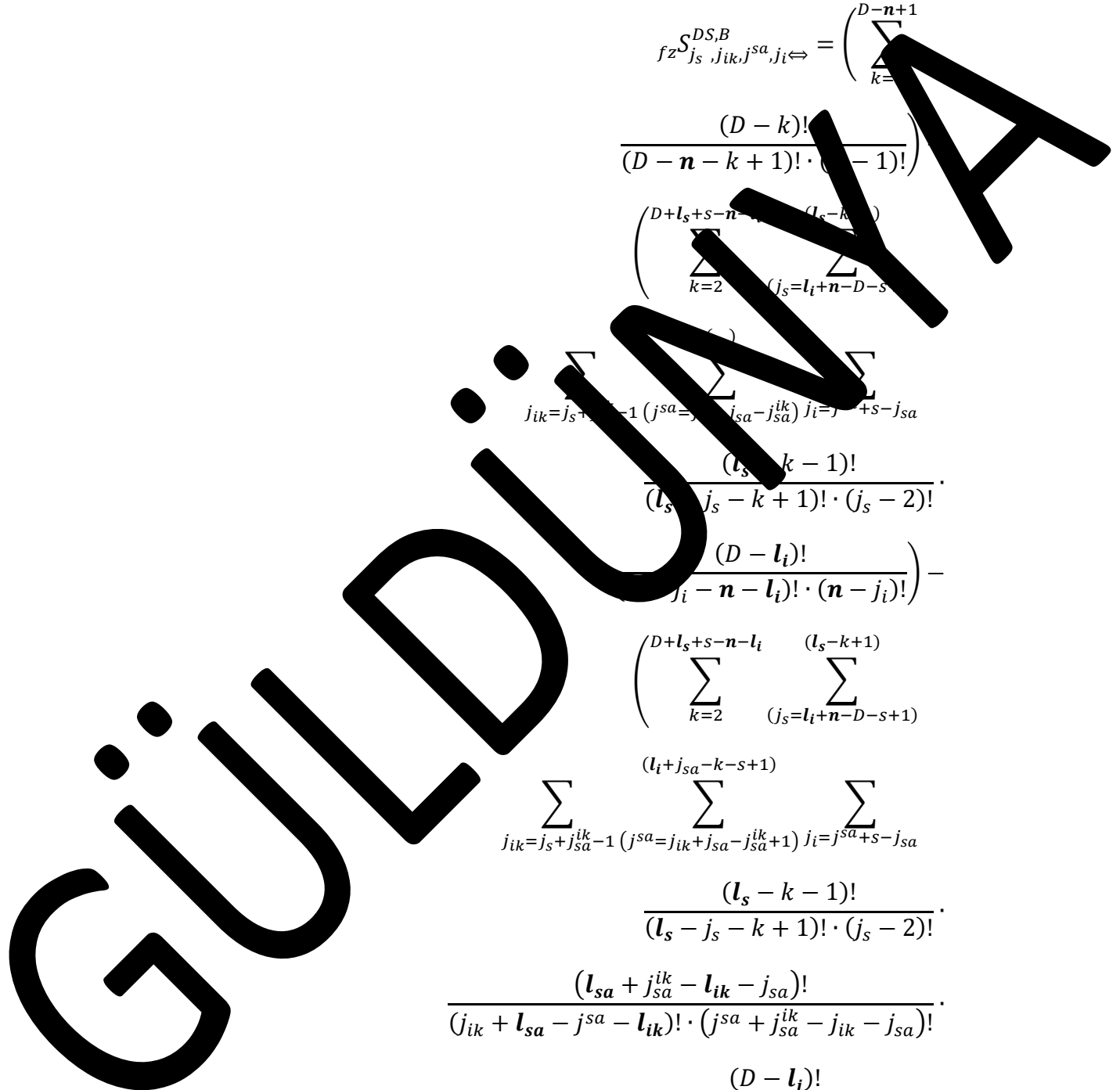
$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s-k}{j_s=l_i+n-D-s} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(j_i-n-l_i)! \cdot (n-j_i)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s-k+1}{(j_s=l_i+n-D-s+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_i+n+j_{sa}^{D-s})}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - l_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa}^{D-s} \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-k-s+1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_i+n-j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=D-n+1}^{D-n+1} \sum_{(j_s=l_i+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s-k}{j_s=l_i+n-D-s} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(j_i-n-l_i)! \cdot (n-j_i)!} - \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s-k+1}{(j_s=l_i+n-D-s+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

GÜLDENYA

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik}-j_{sa}^{ik})} \sum_{j_i=j_s+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

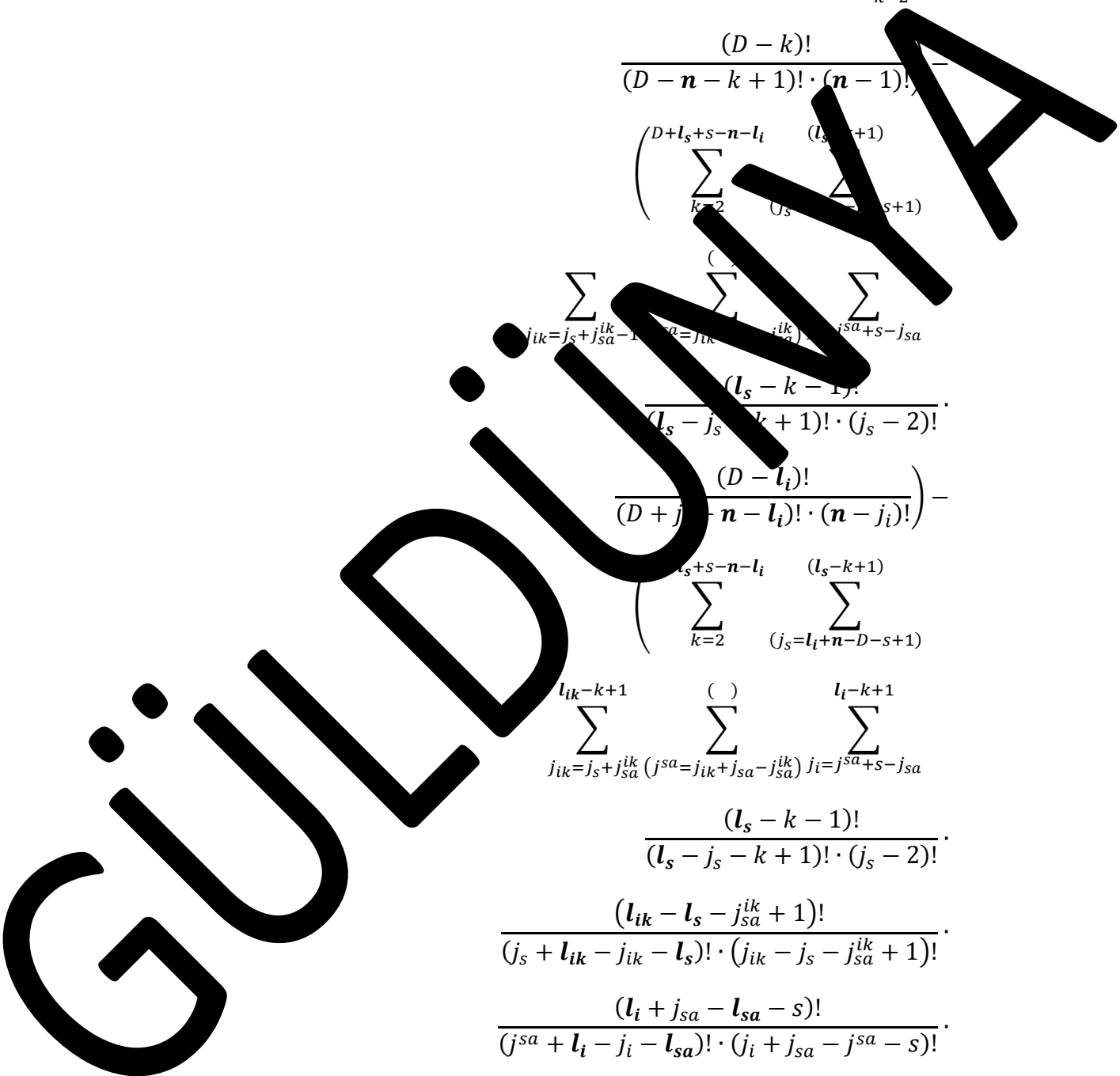
$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \frac{\binom{D+l_s+s-n-l_i}{k-2} \binom{l_s-k+1}{j_s-l_s-s+1}}{\binom{l_s-k-1}{j_s-l_s-k+1} \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot \frac{\binom{l_s+s-n-l_i}{k-2} \binom{l_s-k+1}{j_s=l_i+n-D-s+1}}{\binom{l_s-k-1}{j_s-l_s-k+1} \cdot (j_s-2)!} \cdot \frac{\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}}{\binom{l_s-k-1}{j_s-l_s-k+1} \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j_{sa}+s-j_{sa})}^{(l_i-k+1)} \left(\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \sum_{k=D+l_s+s-n-l_i}^{D-1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \left(\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{k=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

GÜLDENWA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik}-1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n-D}^{(l_i+k+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < r \wedge l_s > D - n + 1 \wedge$$

$$l_s - j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\begin{aligned}
 f_z^{S^{DS,B}}_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow} &= \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 &\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 &\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(j_s-k+1)! \cdot (j_s-2)!} \\
 &\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) - \\
 &\sum_{k=2}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 &\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \\
 &\frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 &\frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \\
 &\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +
 \end{aligned}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

GÜLDÜNYA

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}
 \end{aligned}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - l_{sa} - s)!}$$

$$\frac{(D - n)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s - l_{sa} \Rightarrow$$

$$\sum_{j_s, j_{ik}, j_{sa}, j_i}^{S, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\begin{aligned}
 & \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < l_s \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

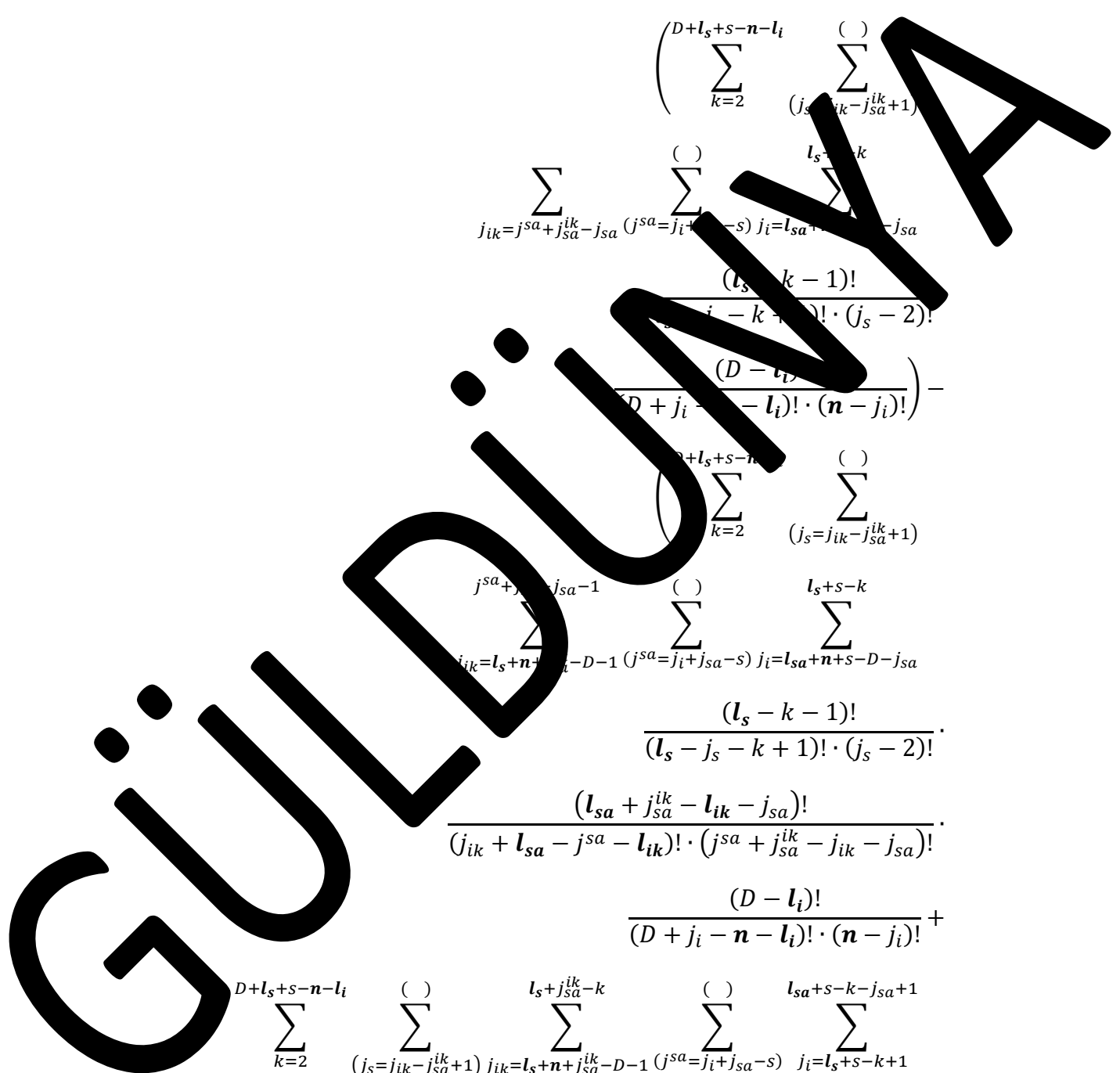
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1} \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \left(\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} -$$



$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j^{sa} + j_{sa} - s = j_i \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right) \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D}^{l_s+s-k} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{(j_{sa}+1)} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \frac{\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{j_s} (j_s - k + 1)}}{\binom{l_s+s-k}{\sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{j_i+l_{sa}+j_{sa}-s} (j_i+l_{sa}+j_{sa}-s)}} \cdot \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) \cdot \frac{\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{j_{ik}-j_{sa}^{ik}+1}} \binom{l_s+s-k}{\sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{j_i+l_{sa}+j_{sa}-s}}}{\binom{l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

GÜLDÜZYAR

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D-n+l_s-n-l_i}^{D-n+l_s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=1} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!} \binom{D+l_s+s-1}{k=1} \binom{D+l_s+s-1}{j_s=j_{ik}-j_{sa}^{ik}} \binom{D+l_s+s-1}{j_{ik}=j^{sa}+j_{sa}^{ik}} \binom{D+l_s+s-1}{j^{sa}=l_{sa}+n-D} \binom{D+l_s+s-1}{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} - \binom{D+l_s+s-n-l_i}{k=2} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{l_{ik}=k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - l_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right. \\
 & \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(l_s-k)} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(l_s-k)} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=D-n+1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{(l_s-k)} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

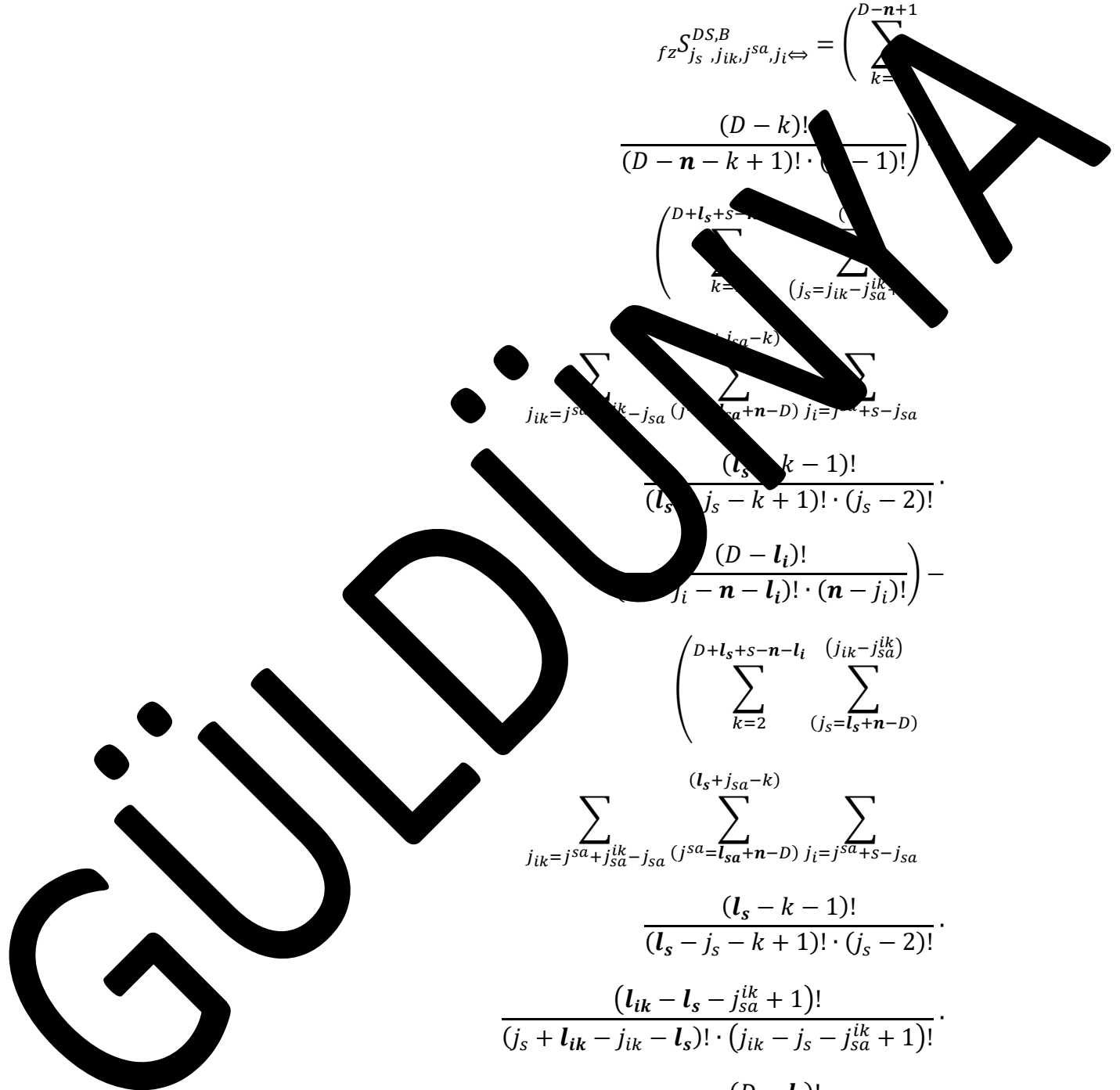
$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (s-1)!} \binom{D+l_s+s-1}{k=0} \binom{l_s}{j_s=j_{ik}-j_{sa}^{ik}} \binom{l_s-k}{j_s=j_{ik}-j_{sa}^{ik}} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j_{sa}=l_s+n-D} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(j_i-n-l_i)! \cdot (n-j_i)!} \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \right.$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \left(\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j^{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \right)$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{ik}-k)} \sum_{(j_{sa}=l_{sa}+n-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} - l_s - j_{sa}^{sa} - j_{sa})!}{(j_{ik} + l_{sa} - l_{ik} - j_{sa} - l_s)! \cdot (j^{sa} + j_{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_{sa}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}} \sum_{(j_i=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (s-1)!} \binom{D+l_s+s-1}{k=0} \binom{l_s+j_{sa}^{ik}-k}{j_s=j_{ik}-j_{sa}^{ik}} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s+j_{sa}^{ik}-k}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \binom{l_{sa}-k+1}{j_{ik}=l_s+n+j_{sa}^{ik}-D-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{\binom{(\quad)}{j_s=j_{ik}-j_{sa}^{ik}+1}} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{(\quad)}{j^{sa}=l_s+l_{sa}-D}}^{l_{sa}-k+1} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{(\quad)}{j_s=j_{ik}-j_{sa}^{ik}+1}} \right)$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{(\quad)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-k-j_{sa}+1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-k-j_{sa}+1}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1) \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s-n-l_i} \frac{\binom{D+l_s-n-l_i}{k} \binom{n-l_i}{j_{ik}-j_{sa}^{ik}+1}}{\binom{l_s+j_{sa}^{ik}-k}{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}} \binom{l_{sa}-k+1}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{j_i=j^{sa}+s-j_{sa}} \right) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa}^{ik} - j_{sa} - j_{sa}^{ik} \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} - j_{sa}^{ik} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge j_{sa}^{ik} + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$

$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}+n-D-j_{sa})} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j^{sa}+s-j_{sa})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot$$

$$\left(\sum_{k=2}^{s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+s-j_{sa})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=l_{sa}+n-D)} \sum_{(j_i=j^{sa}+s-j_{sa})}^{(l_{sa}-k+1)}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_s} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_{sa}^{ik} + s - j_s \leq j_i \leq j_{ik} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-k-j_{sa}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{D-1} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) \cdot \left(\sum_{k=2}^{s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{ik}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{(j_s=D+l_s+s-n-l_i+1)}^{D-n} \sum_{(j_{sa}=l_s+n-j_s)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+s+n-D-j_{sa}^{ik}}$$

$$\frac{(l_s - j_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+l_i-n-j_i)! \cdot (n-j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(j_{ik}-j_{sa}^{ik})}{(j_s=l_s+n-D)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+s+n-D-j_{sa}^{ik}} \binom{l_s+s-k}{(\quad)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜZYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\quad)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} < j^{sa} + j_{sa}^{ik} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_{sa}^{ik} + s - 1 \leq j_i \leq j_{ik} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right. \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} (j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik}) \sum_{j_i=j^{sa}+s}^{(l_s-k-1)!} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}-l_s-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s}^{(l_s-k-1)!} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s}^{(l_s-k-1)!} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right)$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s-k+1} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

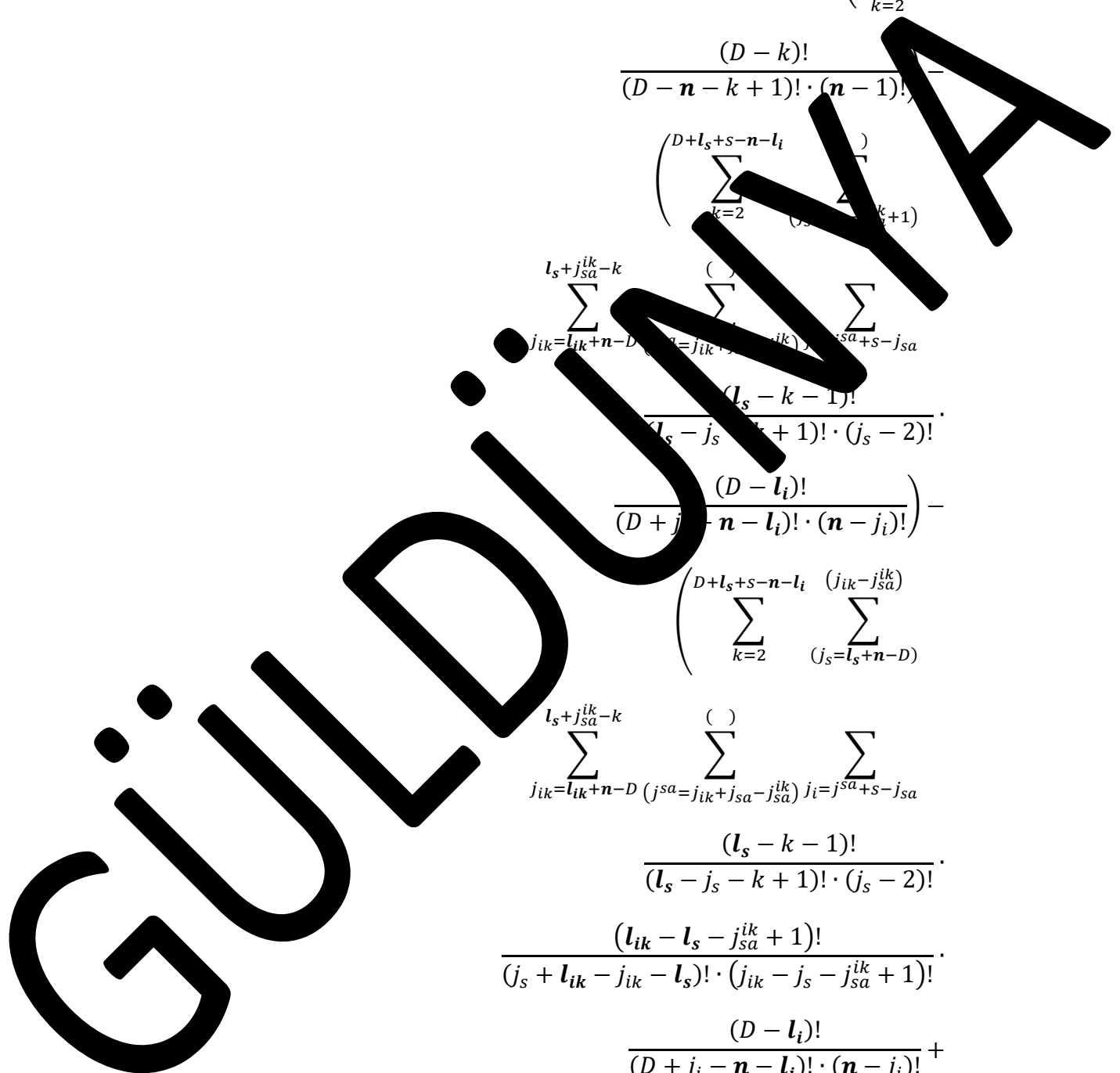
$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{()}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) + \\
 & \left(\sum_{k=1}^{D+l_s+s-n-l_i+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{i_l-1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=j_{sa}+s)} \sum_{(j_i=s+k+1)} \frac{(k-1)!}{(l_s - j_s - k + 1)! \cdot (s-2)!} \frac{(n-j_i)!}{(D-j_i-n+l_i)! \cdot (n-j_i)!} \sum_{(j_s=1)}^{i_l} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{(j^{sa}=j_{sa})} \sum_{(j_i=s)}$$

$$D \geq n < n+l_i \leq D-s+1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i_l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\)}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=s+1}^{l_{sa}+j_{sa}-k-s+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{\binom{(\)}{j_s=1}} \sum_{\binom{(\)}{j_{ik}=j_s}} \sum_{\binom{(\)}{j^{sa}=j_i}} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - \dots - l_i)! \cdot (n - \dots)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i - l_{ik} \wedge l_{sa} + j_{sa} - s = \dots \Rightarrow$

$$fz^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow = \sum_{k=2}^i$$

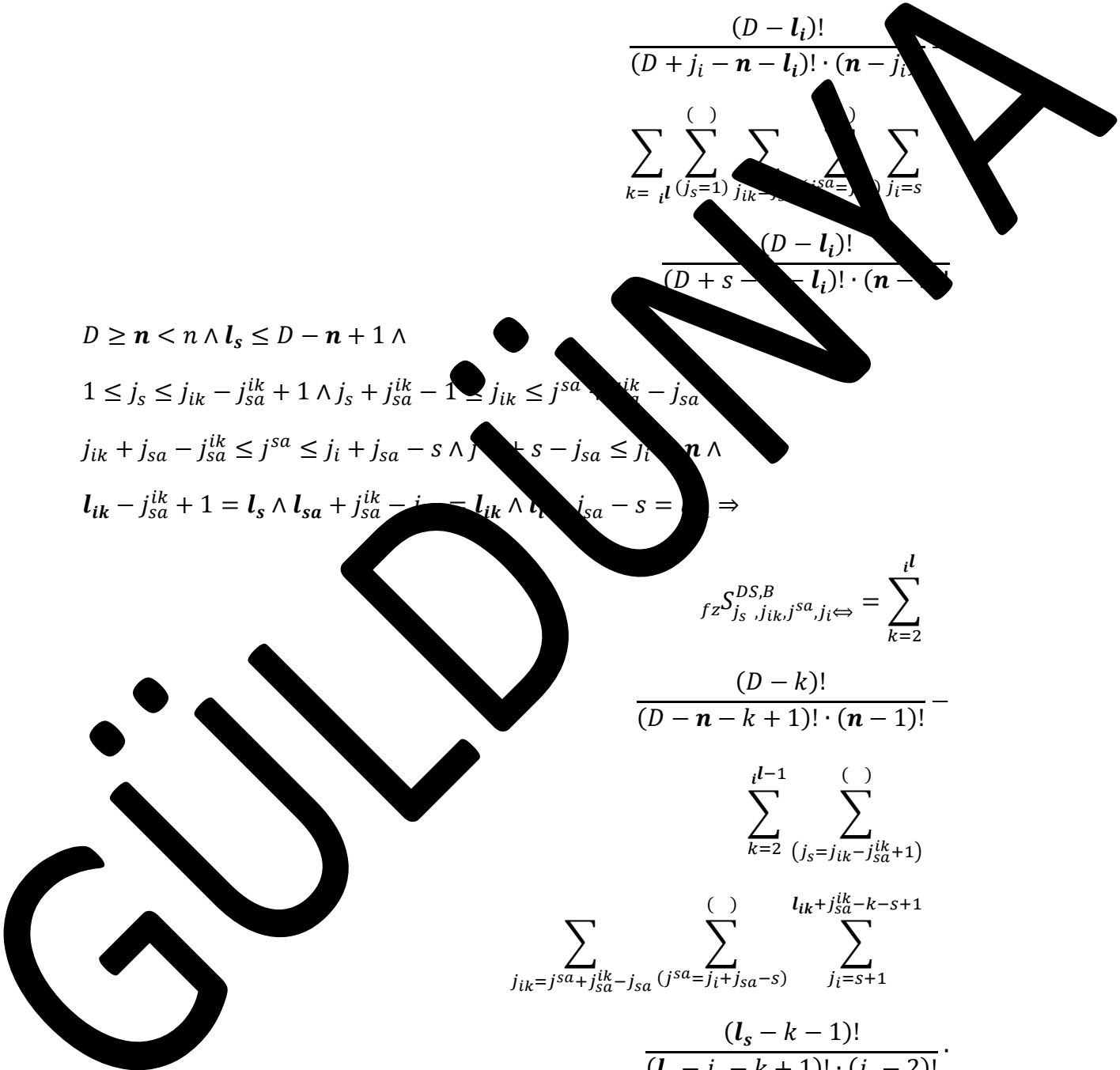
$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i-1} \sum_{\binom{(\)}{j_s=j_{ik}-j_{sa}^{ik}+1}}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\)}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=s+1}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$



$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \sum_{j_i=s} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_s \Rightarrow$$

$$\sum_{k=2}^{D-l_i} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{\binom{D-k}{j_s=j_{ik}-j_{sa}^{ik}+1}} \frac{(D-k)!}{(D-n-l_i+1)! \cdot (n-1)!} \cdot \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j_{sa}=j_i+j_{sa}-s} \sum_{j_i=s+1}^{l_s+s-k}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-k)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{i-l-1} \binom{()}{j_s} \sum_{j_{ik}=j_{sa}+j_s^{ik}}^{(l_i+k-s+1)} \sum_{(j_{sa}=j_{sa}+1)} \sum_{j_i=j_{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D-n-l_i)! \cdot (n-j_i)!} \sum_{k=i}^i \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \sum_{j_i=s} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \cdot n < n \wedge \dots \leq D - \dots + 1 \wedge$$

$$1 \leq i \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_{sa} + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i-l-1} \binom{()}{j_s} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j_i=j^{sa}+s-j_{sa})} \frac{(D - l_i)!}{(D + s - \dots - l_i)! \cdot (n - \dots)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = \dots \Rightarrow$$

$$fz^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow = \sum_{k=2}^{i!}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i!-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{()}{}} \sum_{j_s=1}^{\binom{()}{}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}}^{\binom{()}{}} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_s \Rightarrow$$

$$\sum_{k=2}^{DS, j_s, j_{ik}} j_i \Leftrightarrow = \sum_{k=2} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{l-1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{\binom{()}{}}$$

$$\sum_{ik=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j^{sa}=j_{sa}+1}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{()}{}} \sum_{j_s=1}^{\binom{()}{}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}}^{\binom{()}{}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-k)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{i^{l-1}} \binom{()}{j_s} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+j_{sa}^{ik}-k-s+1} \binom{()}{j_{ik}} \sum_{j_{sa}=j_{ik}+j_{sa}^{ik}-j_s}^{j_{sa}^{ik}-j_s} \binom{()}{j_{sa}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{j_{sa}^{ik}+s-j_{sa}} \binom{()}{j_i} \frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(D - n - l_i)! \cdot (n - j_i)!} \sum_{j_s=1}^{i^l} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \sum_{j_i=s} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D - n < n \wedge l_s \leq D - n - 1 \wedge 1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge j_{sa}^{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{ik} \leq j_{sa}^{ik} + j_{sa} - s \wedge j_{sa}^{ik} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{i^{l-1}} \binom{()}{j_s}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(\cdot)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - j_i - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i < n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = j_i \Rightarrow$

$$fz^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=2}^{i^l}$$

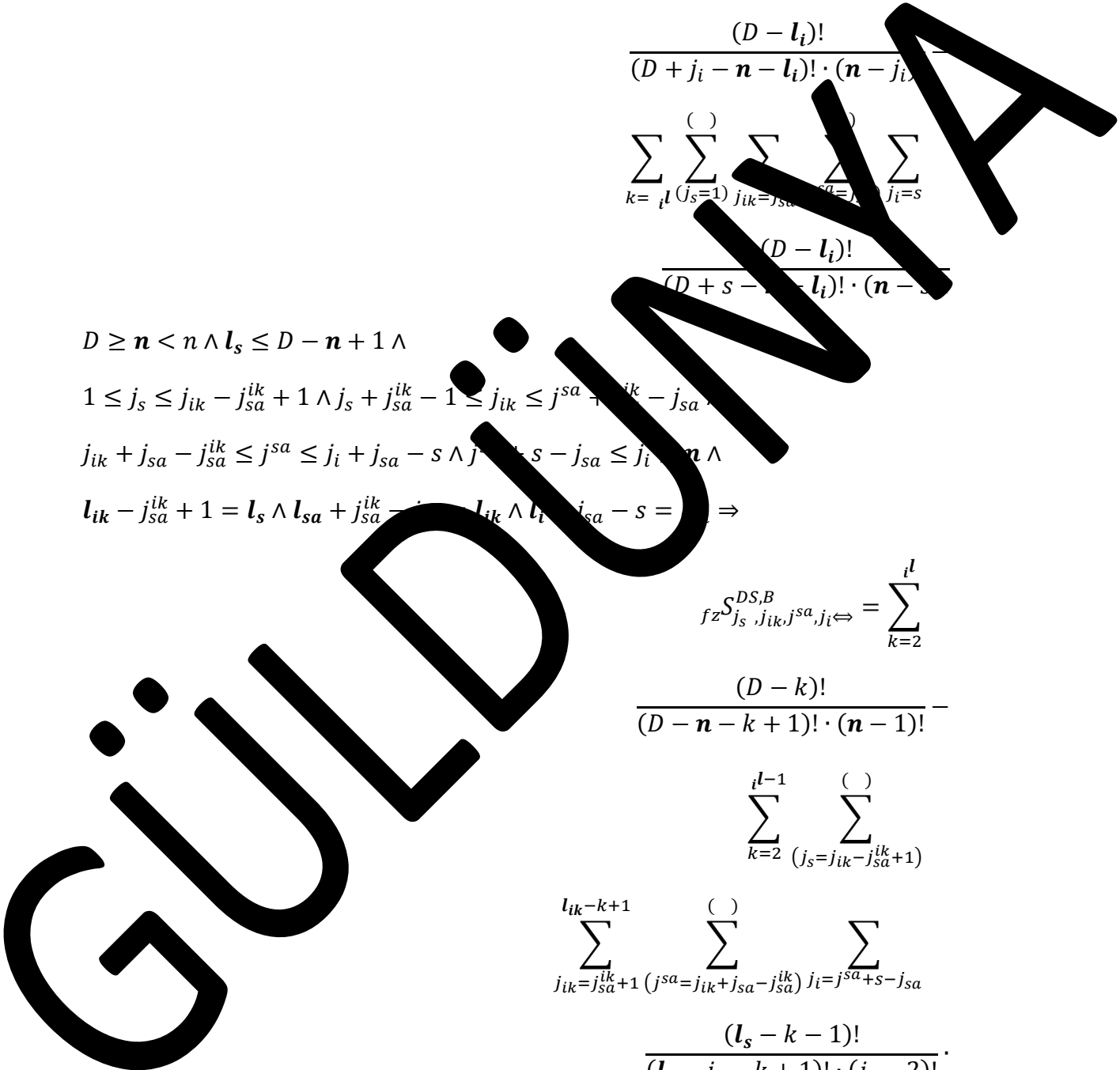
$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$



$$\sum_{k=0}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_s \Rightarrow$$

$$\sum_{k=2}^{DS, j_s, j_{ik}, j_i} = \sum_{k=2}^{()}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i-1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=0}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-k)!} \sum_{k=2}^{i^{l-1} (l_{sa}-k-j_{sa}+2)} \sum_{j_s=2}^{(j_s=1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(j_{sa}=j_i+j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}^{(j_i=j_{sa})} \frac{(l_s - j_i - k + 1)! \cdot (j_s - 2)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=2}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{sa}=j_{sa})} \sum_{j_i=s}^{(j_i=s)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D > n < n \wedge l_{sa} \leq D - n + 1 \wedge 1 \leq i \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_{sa} + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1} (l_{sa}-k-j_{sa}+2)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^l \sum_{\binom{()}{j_s=1}} \sum_{\binom{()}{j_{ik}=j_s}} \sum_{\binom{()}{j^{sa}=j_s}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge l_i + j_{sa} - s = \dots \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \sum_{k=2}^l$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{l-1} \sum_{\binom{()}{j_s=2}}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{()}{}} \sum_{j_s=1}^{\binom{()}{}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_s \Rightarrow$

GÜLDÜNKYA

$\sum_{j_s, j_{ik}}^{DS, j_i} \Leftrightarrow = \sum_{k=2}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i-1} \sum_{j_s=2}^{(l_s-k+1)}$$

$$\sum_{j_s+j_{sa}^{ik}-1}^{\binom{()}{}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{()}{}} \sum_{j_s=1}^{\binom{()}{}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{j_s = j_{ik} - j_{sa}^{ik} + 1}^{i_l - 1} \right)$$

$$\sum_{j_{ik} = j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}} \sum_{j_{sa} = s}^{l_{sa} + j_{sa} - k + 1} \sum_{j_i = s + 1}^{l_i + j_{sa} - k + 1}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i_l} \sum_{j_s=1}^{(j_s)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{(j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i_l} \sum_{j_s = j_{ik} - j_{sa}^{ik} + 1}^{j_s} \sum_{j_{ik} = j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}} \sum_{j_{sa} = j_{sa} + 1}^{(j_i + j_{sa} - s - 1) l_{sa} + j_{sa} - k - s + 1} \sum_{j_i = s + 2}^{l_i + j_{sa} - k - s + 1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i_l - 1} \sum_{j_s = j_{ik} - j_{sa}^{ik} + 1}^{(j_s)} \sum_{j_{ik} = j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}} \sum_{j_{sa} = j_{sa} + 1}^{(l_{sa} - k + 1)} \sum_{j_i = l_{sa} + j_{sa} - k - s + 2}^{l_i - k + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=i^k}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{i=s+1}^{l_i - i^{l+1}}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - l_{sa} - s)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_s \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_{sa}^{ik} + s - j_{sa} \leq j_i \leq j_i \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} = l_{ik} + j_{sa} - j_{sa}^{ik} \geq l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=s+2}^{l_{ik}+j_{sa}^{ik}-k-1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_s - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-j_{sa}^{ik}+1)} \sum_{j_i=l_{ik}+j_{sa}^{ik}-k-s+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i^{l+1}} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right)$$

$$\left(\sum_{k=2}^{i^{l-1}} (j_s = j_{ik} - j_{sa}^{ik} + 1) \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}-k-j_{sa}}^{j_{ik}=j_{sa}^{ik}-k-j_{sa}+1} \sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_i=j_{sa}^{ik}-k-s+1}^{j_i=j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{j_s=1}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{ik}=j_{sa}^{ik})} \sum_{j_{sa}=j_{sa}}^{(j_{sa}=j_{sa})} \sum_{j_i=s}^{(j_i=s)} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=s+2}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{ik}+j_{sa}^{ik}-k-s+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{()} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge l_{sa} - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=1}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{()} \sum_{j_i=s+2}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

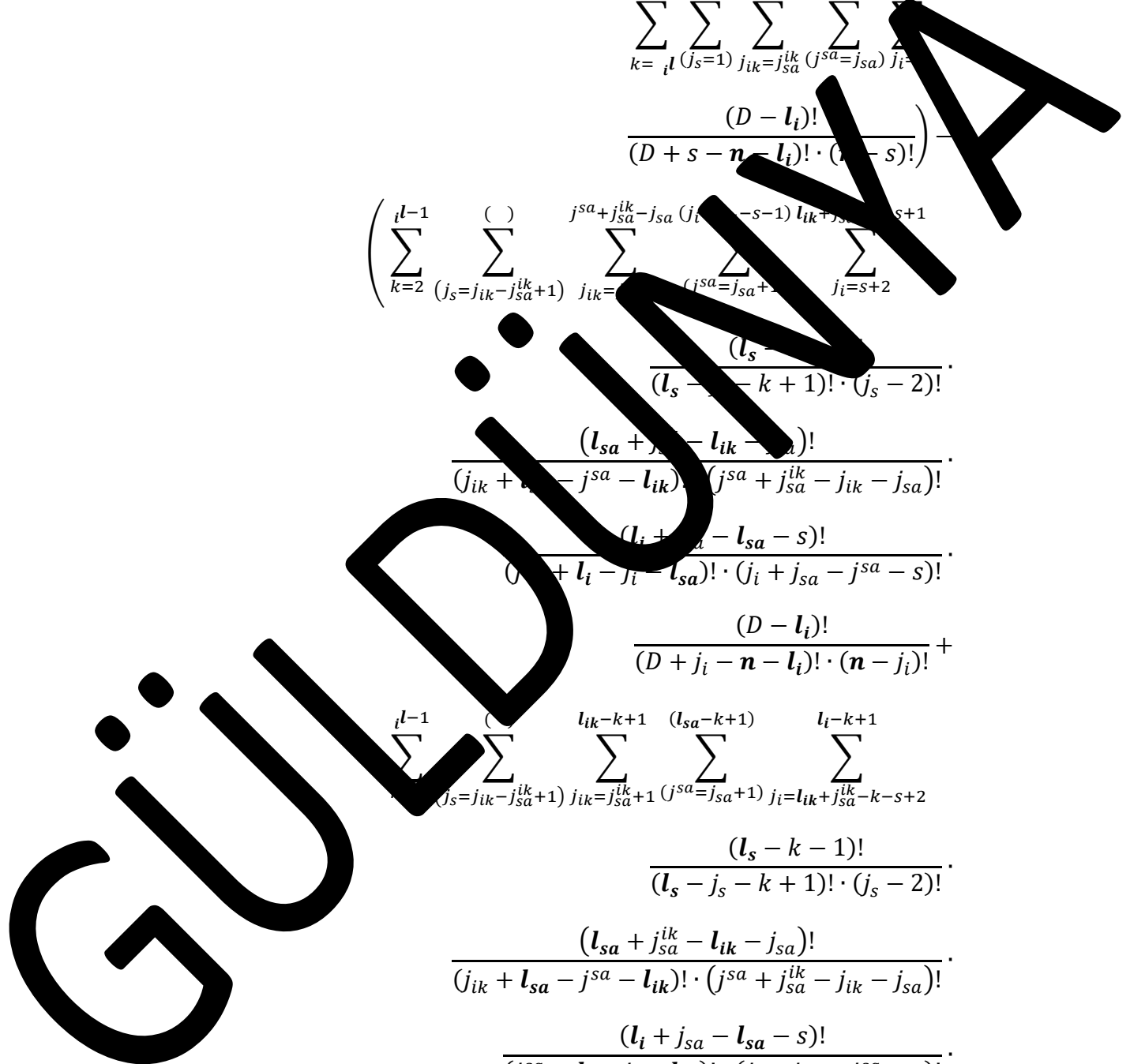
$$\sum_{k=1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_{ik}+j_{sa}^{ik}-k-s+2}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+2}^{l_{ik}+j_{sa}^{ik}-k-s+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{sa}-i^{l+1})l_i-i^{l+1}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{()} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_i - l_{sa} - s)!}{(j^{sa} - l_i - j_i - l_{sa} - s)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=s+1}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i-1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s}$$

$$\frac{(l_s - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} +$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s+2}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(j^{sa} + l_i - j_i - l_{sa} - s)!}{(j_{sa} - l_{sa} - s)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=l_s+s-k+1}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i-1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fzS_{j_s, j_{ik}, j_i}^{D, j_{sa}^{ik}, j_i} \Leftrightarrow = \binom{i!}{\sum_{k=2}^i}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}^{()}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+2}^{l_s+s-k} \right)$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_i-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge n \wedge l_i \leq D + 1 - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}}^{(\cdot)} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=0}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i - l_j)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}}^{(\cdot)} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=s}^{l_s+s-k} \right) \\
 & \frac{(D - l_i)!}{(D + s - l_i)! \cdot (n - s)!} - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}}^{(\cdot)} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=s+2}^{l_s+s-k} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}}^{(\cdot)} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDÜZMAYA

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} > l_{ik}$

$fz_{j_s}^{S, B} j^{sa}, j_i \Leftrightarrow = \left(\sum_{k=2}^i \right)$

$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$

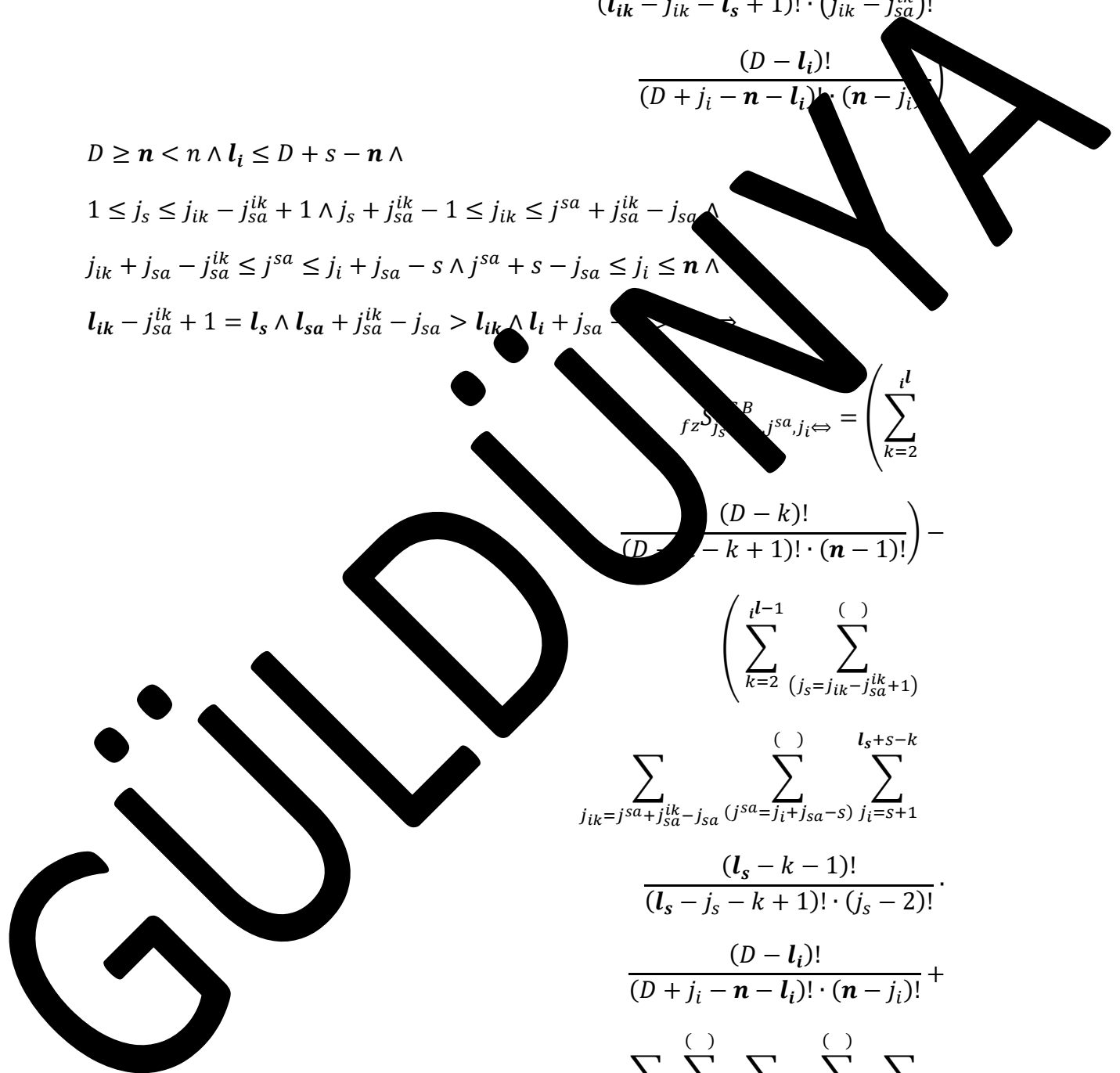
$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_s+s-k}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$

$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$

$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$



$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s+2}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\left. \sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s-j_s-k-(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=l_s+s-k+1}^{l_s+k-1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\left. \sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+2}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa}-i^{l+1})} \sum_{j_i=s+1}^{l_i-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa}^{ik} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i - j_{sa} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$

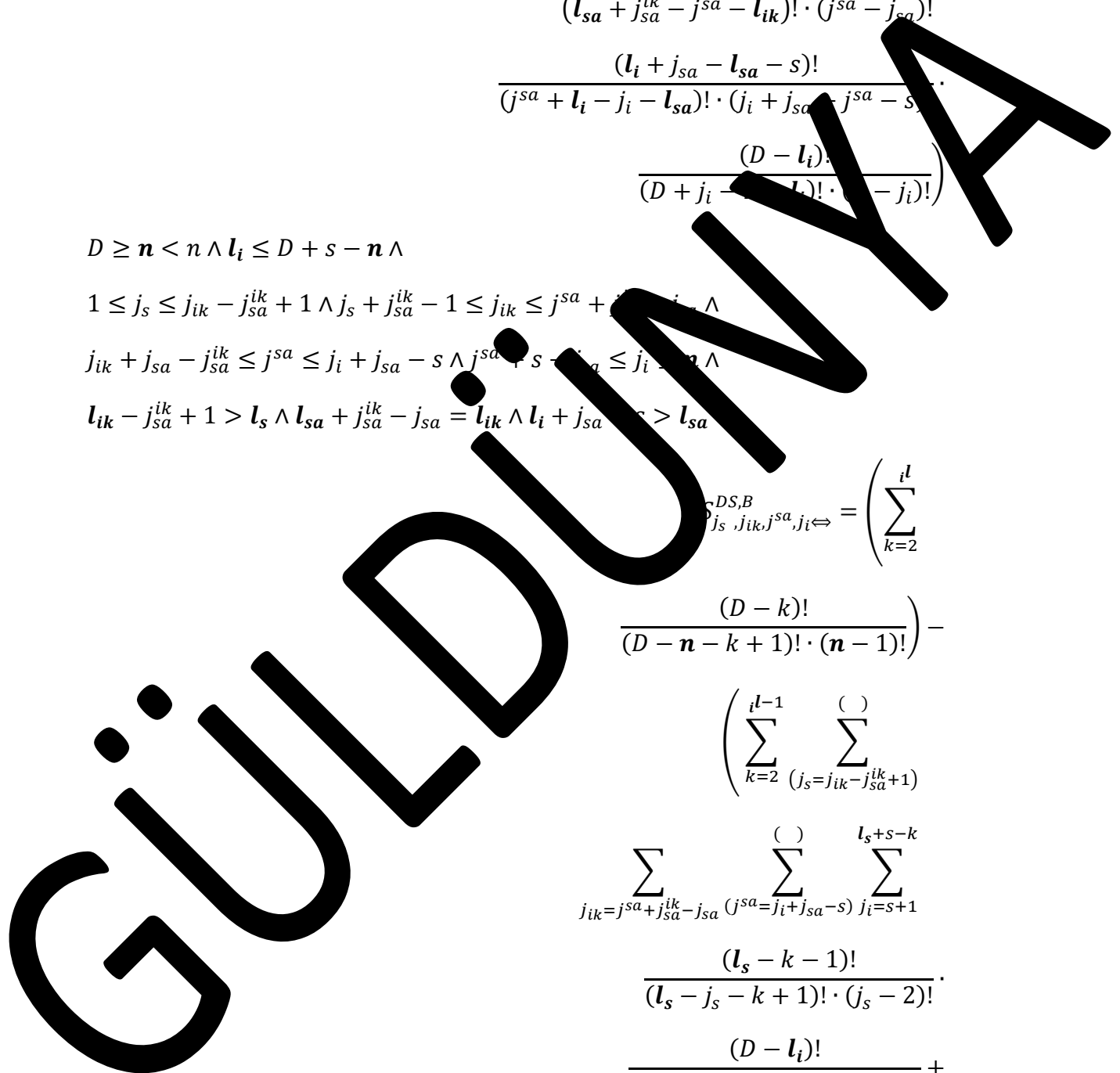
$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_s+s-k} \right)$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$

$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$



$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s+2}^{(j_i + j_{sa} - s - 1) l_s + s - k} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=l_s + s - k + 1}^{(l_s - k + 1) l_i - k + 1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=2)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa}=j_i + j_{sa} - s)} \sum_{j_i=s+2}^{l_s + s - k} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
 \end{aligned}$$

GÜLDÜZYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa}-k+1) l_i-k+1} \sum_{j_i=s+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_s^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - l_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - 1$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_{ik} \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge j_i + j_{sa} - s = j^{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_t}^{DS, B} = \left(\sum_{k=2}^i \right)$$

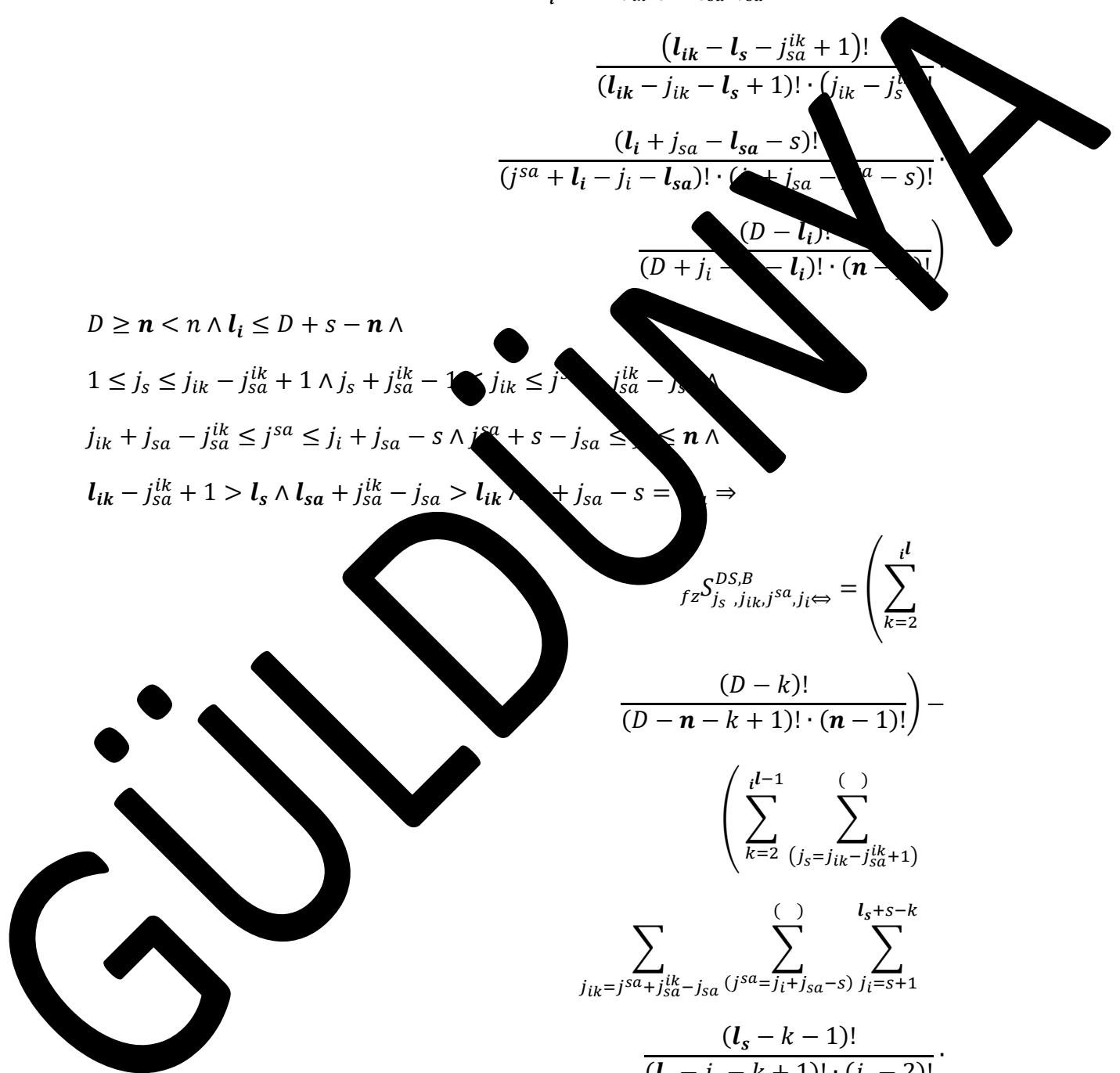
$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{i-1} \sum_{(j_s=1)}^{(i-k)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(i-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=s+2}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(i-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(i-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(i-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(i-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{l_{ik}-i^{l+1}} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{l_{ik}-i^{l+1}} \sum_{j_i=s+1}^{l_{ik}-i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq n < n \wedge l_i \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - s - 1 > l_s \wedge$$

$$l_i \leq D + s - n) \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=s+1}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)} \sum_{j_{ik}=j_s} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=s}^{l_s+s-k}$$

$$\frac{(l_i - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+1} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s+2}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} - j_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{l_s-k+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}+1)}^{l_{sa}-k+1} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} j_{sa} + j_{sa}^{ik} - j_{sa} - 1 \sum_{j_{ik}=j_{sa}^{ik}+1} \binom{\quad}{j_i + j_{sa} - s} \sum_{j_i=s+2}^{l_s + s - k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa}} \binom{\quad}{j_{sa}=j_i+j_{sa}-s} \sum_{j_i=s+2}^{l_s + s - k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \binom{\quad}{j_{sa}=j_{sa}} \sum_{j_i=s+1}^{l_{ik} - i^{l+1} (l_{sa} - i^{l+1}) l_i - i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

GÜLDENYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} \binom{DS, B}{j_s, j_{ik}, j^{sa}, j_{sa}^{ik}} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)} \binom{()}{j_s} \right)$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_{sa} + 1)}^{(l_{sa} - k + 1)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \binom{()}{j_s} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})} \binom{()}{j_s} \sum_{j_i = s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{()} \sum_{j_i=s+1}^{l_i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_i \leq D + s - 1$
 $1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - 1 \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$
 $l_{ik} - j_{sa} + j_{sa}^{ik} = l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} = l_i \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) \cdot \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \right)$$

$$\left(\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i-1} \sum_{(j_s=1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(j^{sa}=j_{sa})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}^{sa}+1}^{j_i=j_{sa}^{sa}+s-j_{sa}^{sa}+1} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) \cdot \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}^{ik}+1}^{j_{ik}=j_{sa}^{ik}-j_{sa}^{ik}+1} \sum_{(j^{sa}=j_{sa}+1)}^{(j^{sa}=j_{sa}+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}^{sa}+1}^{j_i=j_{sa}^{sa}+s-j_{sa}^{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_i + l_i - j_i - l_{sa} - s)! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i-1} \sum_{(j_s=1)}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{ik}=j_{sa}^{ik})} \sum_{(j^{sa}=j_{sa})}^{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{j_i=s+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D > l_s \wedge n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s=1)}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{(\quad)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{(j_{sa}=j_{sa}+2)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

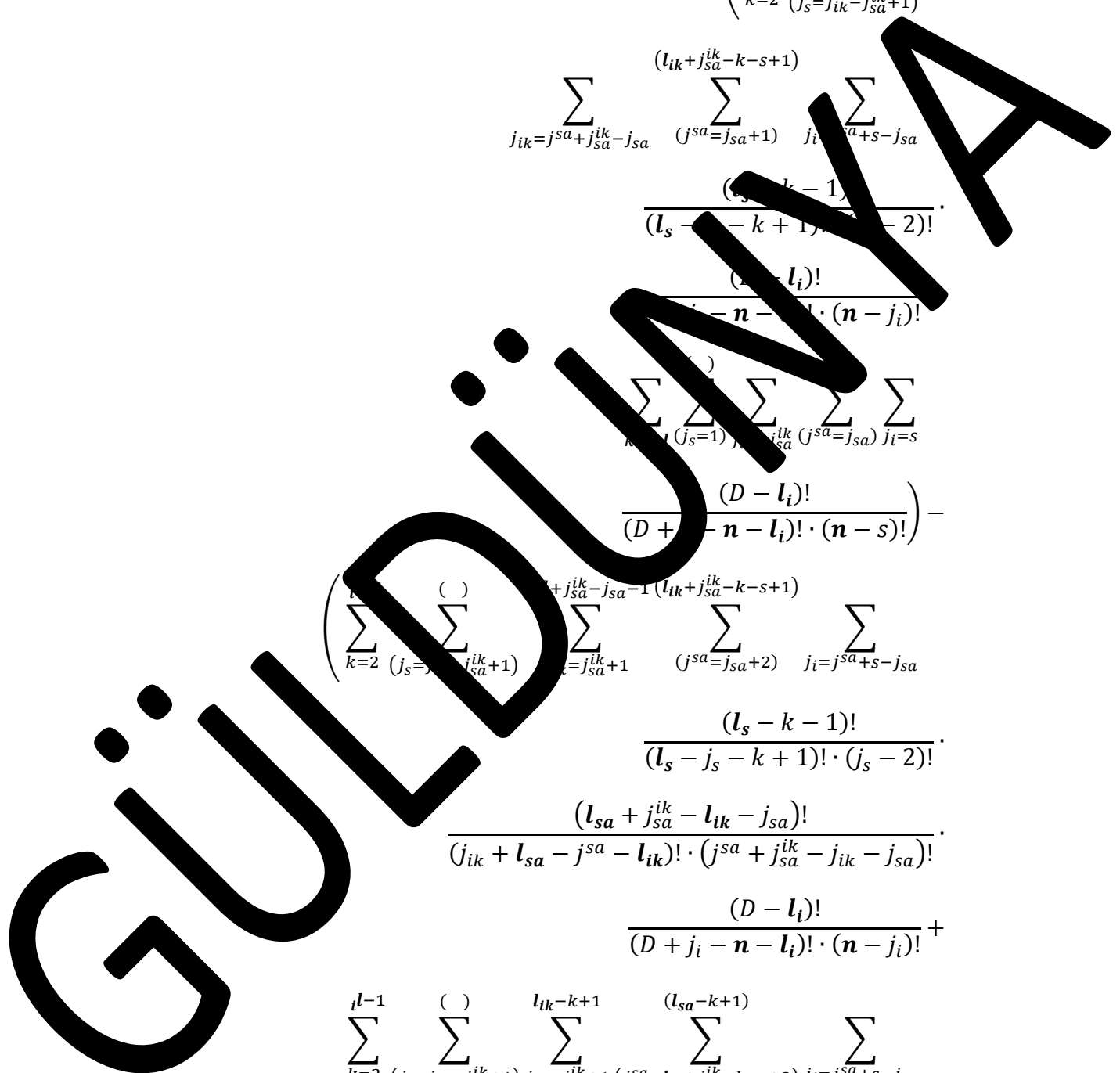
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{ik}+j_{sa}^{ik}-k-s+2)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa} - i^{l+1})} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} > l_{sa}$$

$$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik})}^{(l_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_{sa}+2)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.
 \end{aligned}$$

GÜLDENYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa} - i^{l+1})} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{l_i - i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{sa} < n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}-s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (j_i - j^{sa} - s)!} \right) -$$

$$\frac{(l_i + j_{sa} - l_s - s)!}{(j^{sa} + l_i - j^{sa} - s)! \cdot (j_i - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$D \geq n < n \wedge l_i = D + s - n \wedge$$

$$1 \leq j_{ik} - j_{sa}^{ik} + j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left. \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \right) - \\
 & \frac{(D - l_i)!}{(D + s - l_i)! \cdot (n - s)!} - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDÜZMAYA

$$\sum_{k=i}^l \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} = l_s$

$fz_{j_s}^{B, j_{sa}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} \right) -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$

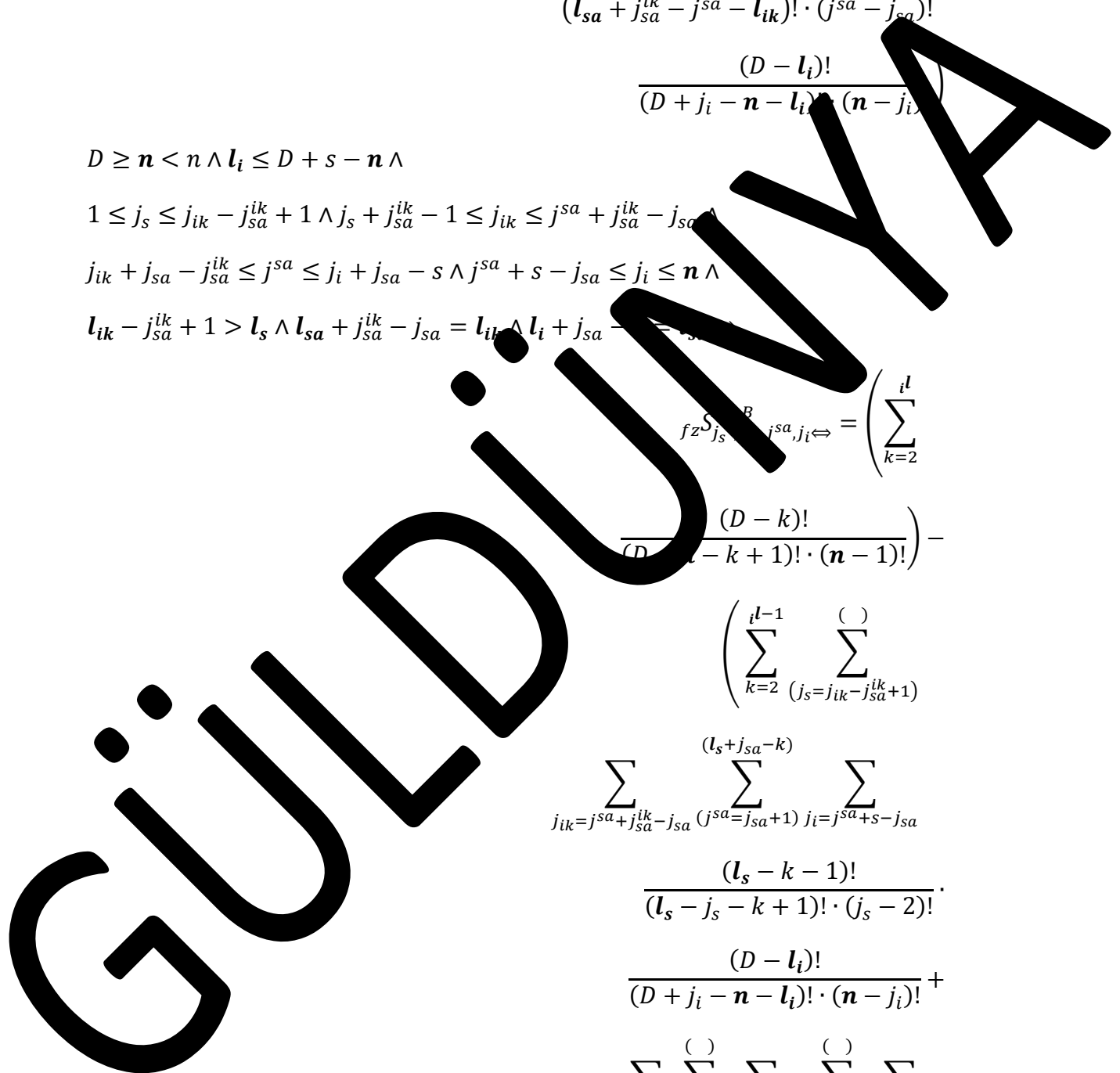
$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$\sum_{k=i}^l \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s}$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$



$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \right.$$

$$\left. \sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}-k+1)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_i - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\left. \sum_{k=i^{l-1}}^{(i)} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < l_i \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq l_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)} \right)$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}}^{(l_s + j_s)} \sum_{(j^{sa} = j_{sa}^{ik} + 1)}^{(\quad)} \sum_{j_i = j^{sa} + s}^{(\quad)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s = 1)}^{(\quad)} \sum_{j_{ik} = j_{sa}^{ik}}^{(\quad)} \sum_{(j^{sa} = j_{sa})}^{(\quad)} \sum_{j_i = s}^{(\quad)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{s = j_{ik} - j_{sa}^{ik} + 1}^{i^{l-1}} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_{sa} + 1)}^{(l_s + j_{sa} - k)} \sum_{j_i = j^{sa} + s - j_{sa} + 1}^{l_i - k + 1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜNYA

$$\begin{aligned}
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{(l_{sa}-i^{l+1})} \sum_{(j_s=1)}^{(l_i-i^{l+1})} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{j_i=s+1}^{l_i-i^{l+1}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{j_{ik} = j_{sa}^{ik} + 1}^{i^{l-1}} \right)$$

$$(l_s + j_{sa} - k)$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1} \sum_{j_{sa} = j_{sa}^{ik} + 1} \sum_{j_i = j_{sa}^{ik} + 1} \sum_{j_i = j_{sa}^{ik} + 1}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^l} \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{j_s=2}^{j_{sa}^{ik} + 1} \right)$$

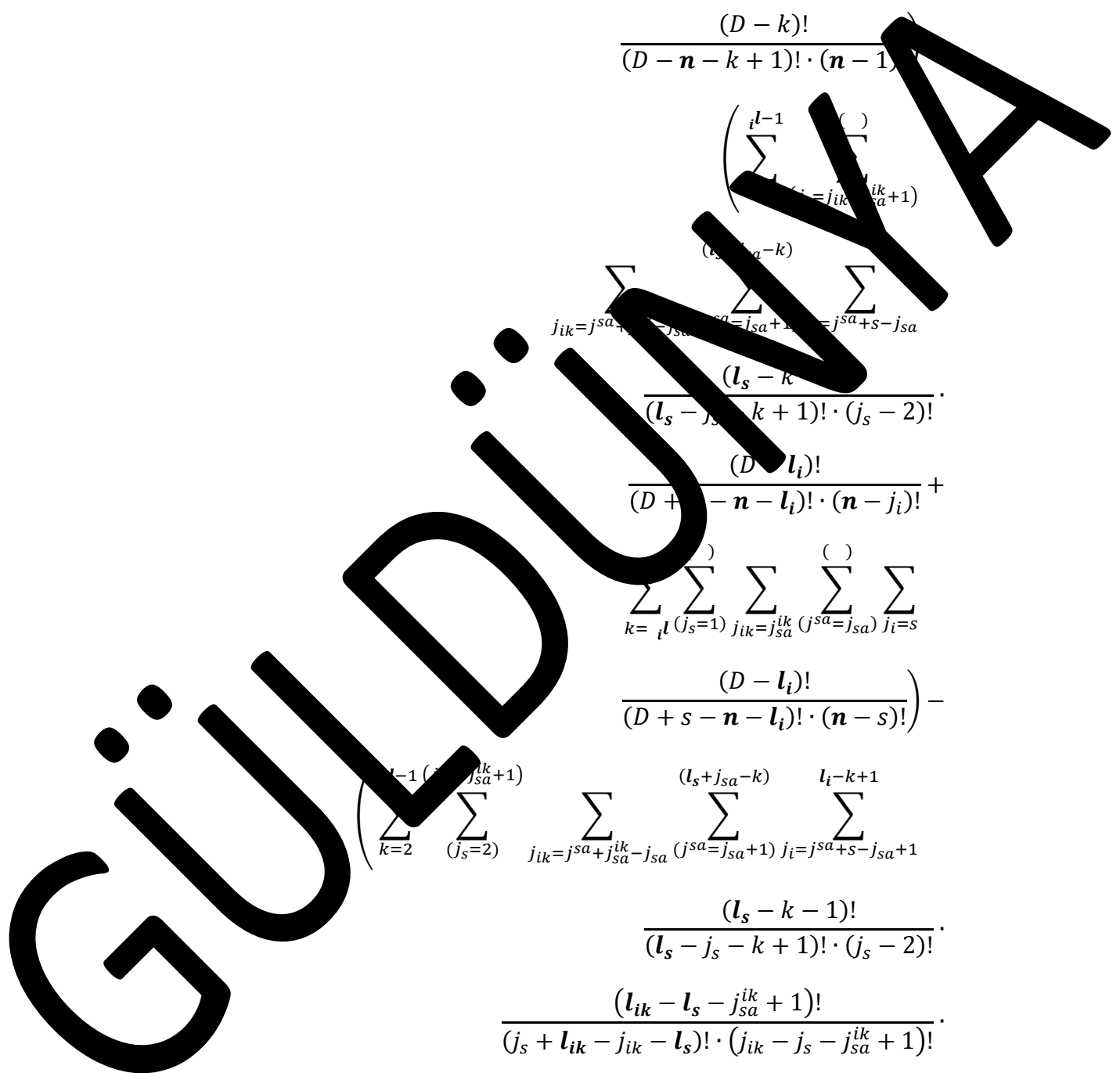
$$\sum_{j_{ik} = j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}} \sum_{j_{sa} = j_{sa}^{ik} + 1}^{l_s + j_{sa} - k} \sum_{j_i = j_{sa}^{ik} + s - j_{sa} + 1}^{l_i - k + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\begin{aligned}
 & \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}}^{(l_{sa} - k + 1)} \sum_{(j^{sa}=l_s + j_{sa} - k + 1)}^{l_i - k + 1} \sum_{j_i=j^{sa} + s - j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=2)}^{(j_{sa} - k)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}}^{(j_{sa} - k)} \sum_{(j^{sa}=j_{sa} + 2)}^{(j_{sa} - k)} \sum_{j_i=j^{sa} + s - j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}}^{(l_{sa} - i^{l+1})} \sum_{(j^{sa}=j_{sa})}^{l_i - i^{l+1}} \sum_{j_i=s+1} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{j_{ik} = j_{sa}^{ik} + 1}^{i^{l-1}} \right)$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1} \sum_{j_{sa} = j_{sa}^{ik} + 1} \sum_{j_{sa} = j_{sa}^{ik} + 1} \sum_{j_i = j_{sa} - j_{sa}}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{j_s=1}^{(i)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

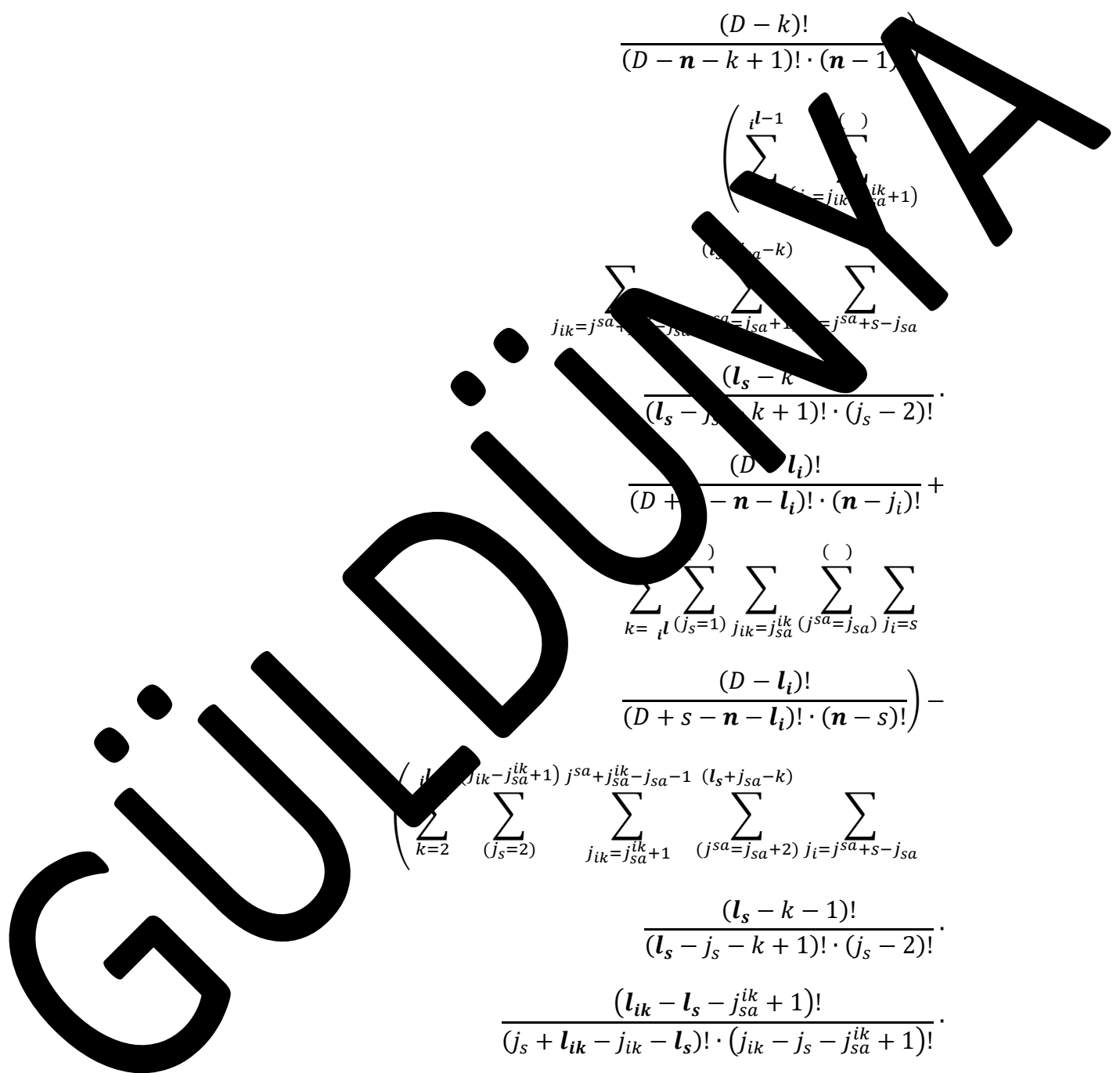
$$\left(\sum_{k=2}^i \sum_{j_s=2}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j_{sa}=j_{sa}+2}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\begin{aligned}
 & \sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{(j_s=2)}^{l_{ik-k+1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{sa-k+1})} \sum_{(j^{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j^{sa+s}-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=2)}^{(j_{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_{sa}+2)} \sum_{j_i=j^{sa+s}-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{l_{ik-i^{l+1}}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa-i^{l+1}})} \sum_{j_i=j^{sa+s}-j_{sa}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$(D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \Rightarrow$$

$$fz_{j_s, j_{sa}, j_i}^{s, j_{sa}, j_i} = \binom{l}{\sum_{k=2}^{i-l}}$$

$$\frac{(D - l_i + 1)}{(D - n - k + 1)! \cdot (l_i - 1)!} -$$

$$\left(\sum_{k=2}^{i-l} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{k=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i-l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-l-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right)$$

GÜLDÜNKYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{sa}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=2)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s + j_{sa} - k)} \sum_{j_i=j^{sa} + s - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - k + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa} - 1) l_i - i^{l+1}} \sum_{j_i=s+1}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_s - l_{ik} - j_{sa})!}{(j_{ik} + l_s - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_i + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge n \wedge l_i \leq D + j_i - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s}^{(\cdot)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! (j_s - 2)!} \\
 & \left. \frac{(l_i)!}{(D + j_i - n - l_i)! (j_i)!} + \right. \\
 & \left. \sum_{k=1}^{(\cdot)} \sum_{(j_s=j_{ik}-j_{sa}^{ik})}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s}^{(\cdot)} \right) \\
 & \left. \frac{(D - l_i)!}{(l_i + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s+1}^{l_i-i^{l+1}} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{l}{k}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (j_s - 1)!}$$

$$\binom{l-1}{k-1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{ik}-j_{sa}^{ik}+1}$$

$$\binom{l-k+1}{j_{ik}-j_{sa}^{ik}+1} \sum_{j_{sa}=j_{ik}+j_{sa}^{ik}}^{j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{\binom{l}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}}^{\binom{l}{j_{sa}=j_{sa}}} \sum_{j_i=s}$$

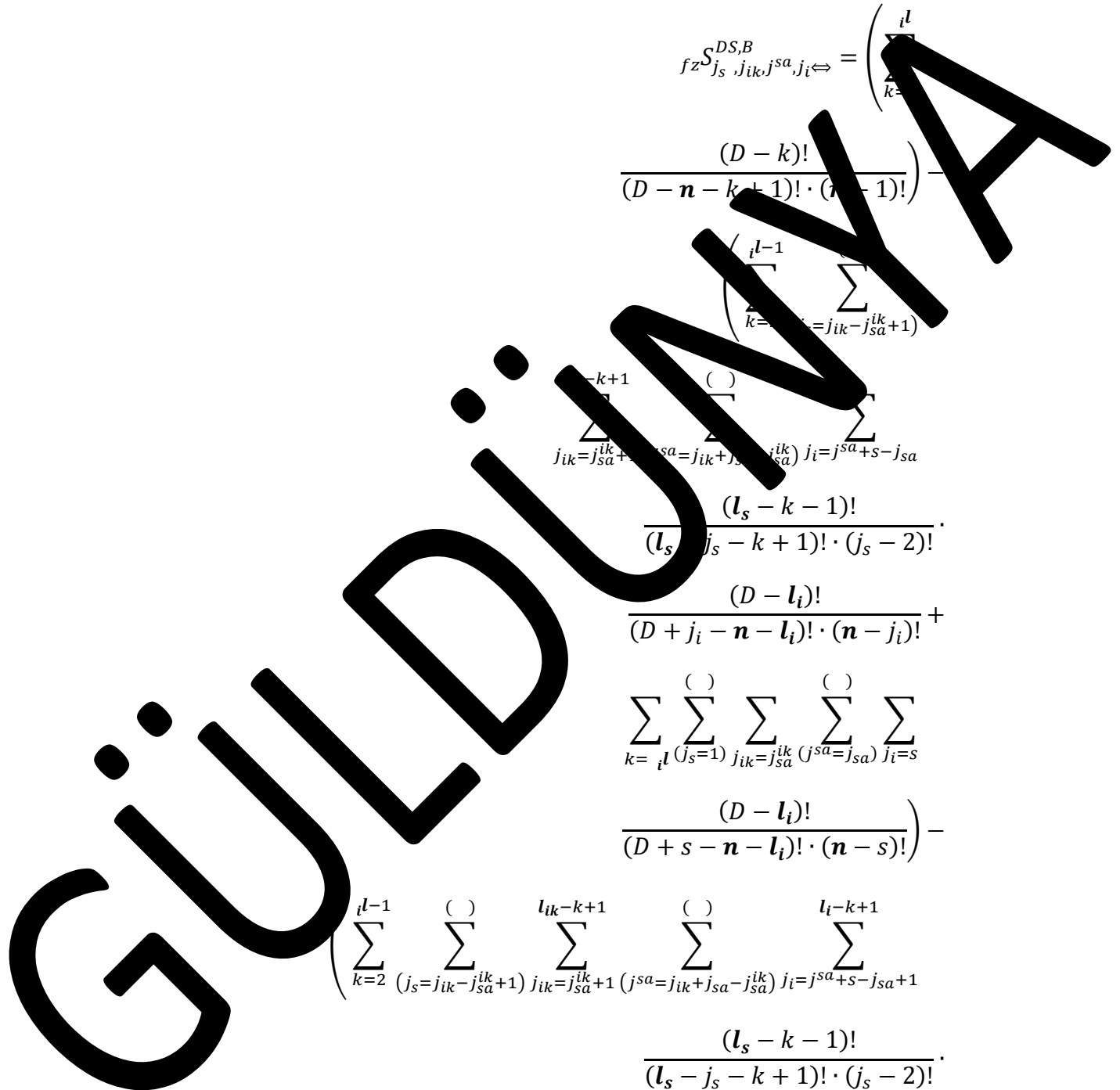
$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{\binom{l}{j_{ik}=j_{sa}^{ik}+1}} \sum_{j_{sa}=j_{ik}+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik}-j_{sa}^{ik})}^{\binom{l}{j_i=j^{sa}+s-j_{sa}+1}} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_{ik}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} \Rightarrow$$

$$f_{z^s, j_s, j_{sa}, j_{sa}^{ik}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{i^l} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{sa}=j_{sa}+1}^{(l_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_i \leq D + s$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - s + j_{sa}^{ik} + j_{sa} - j_{sa} \leq j_i \leq n \wedge$

$l_{sa} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$f_z^{DS,B} \sum_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik-k+1}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik-k+1}} \sum_{(j^{sa}=j_{sa}-j_{sa}^{ik})}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa} - l_{ik} - s)!}{(j_{ik} + j_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik-k+1}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=j_{sa})}^{l_i-i+1} \sum_{j_i=s+1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - l_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$\sum_{s=j_s, j_{ik}, j_{sa}^{ik}, j_i}^{DS, B} \left(\sum_{k=2}^{i^l} \right)$

$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$

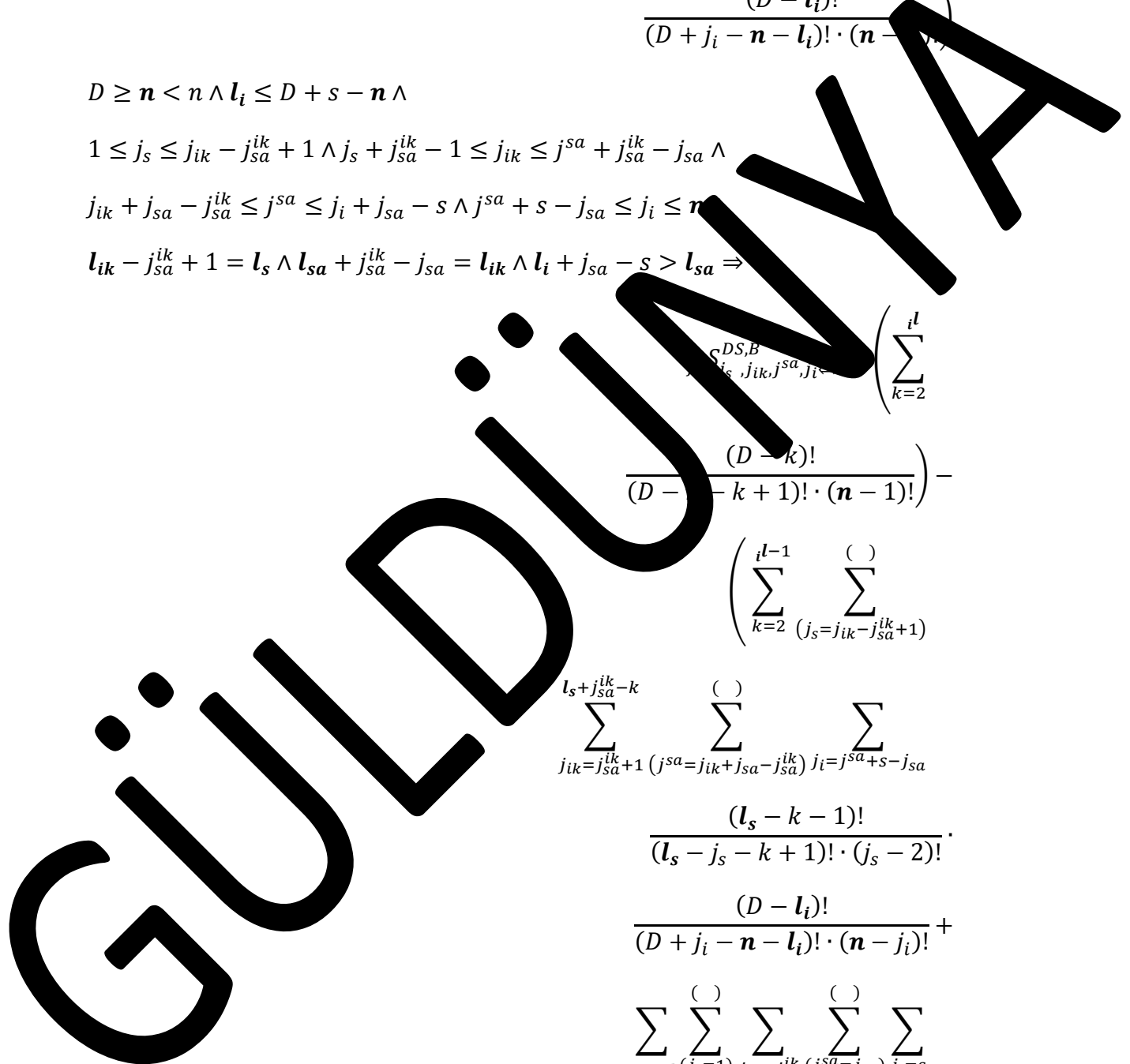
$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$

$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$

$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$



$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=s+1}^{l_i-k+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - 1 \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_s + j_{sa}^{ik} - j_{sa} > l_i \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_{sa}=i^{l+1})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D - n < l_i \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = \dots - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_s + j_{sa}^{ik} - k} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{(j_i = j^{sa} + s - j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=1)} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})} \sum_{j_i = s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)} \sum_{j_{ik} = j_{sa}^{ik} + 2}^{l_s + j_{sa}^{ik} - k} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik} = l_s + j_{sa}^{ik} - k + 1}^{l_{ik} - k + 1} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

GÜLDÜZYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{l_{ik}-i^{l+1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})}^{l_{ik}-i^{l+1}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{l_{ik}-i^{l+1}}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa}^{ik} + s - j_s \leq j_i \leq j_{sa}^{ik} + s - j_s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} > l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{l_{ik}-i^{l+1}} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{l_{ik}-i^{l+1}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} +$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa}-i^{l+1})} \sum_{j_i=s+1}^{l_i-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - l_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$\sum_{s=j_s, j_{ik}, j_{sa}^{ik}, j_i}^{DS, B} \left(\sum_{k=2}^{i^l} \right)$

$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$

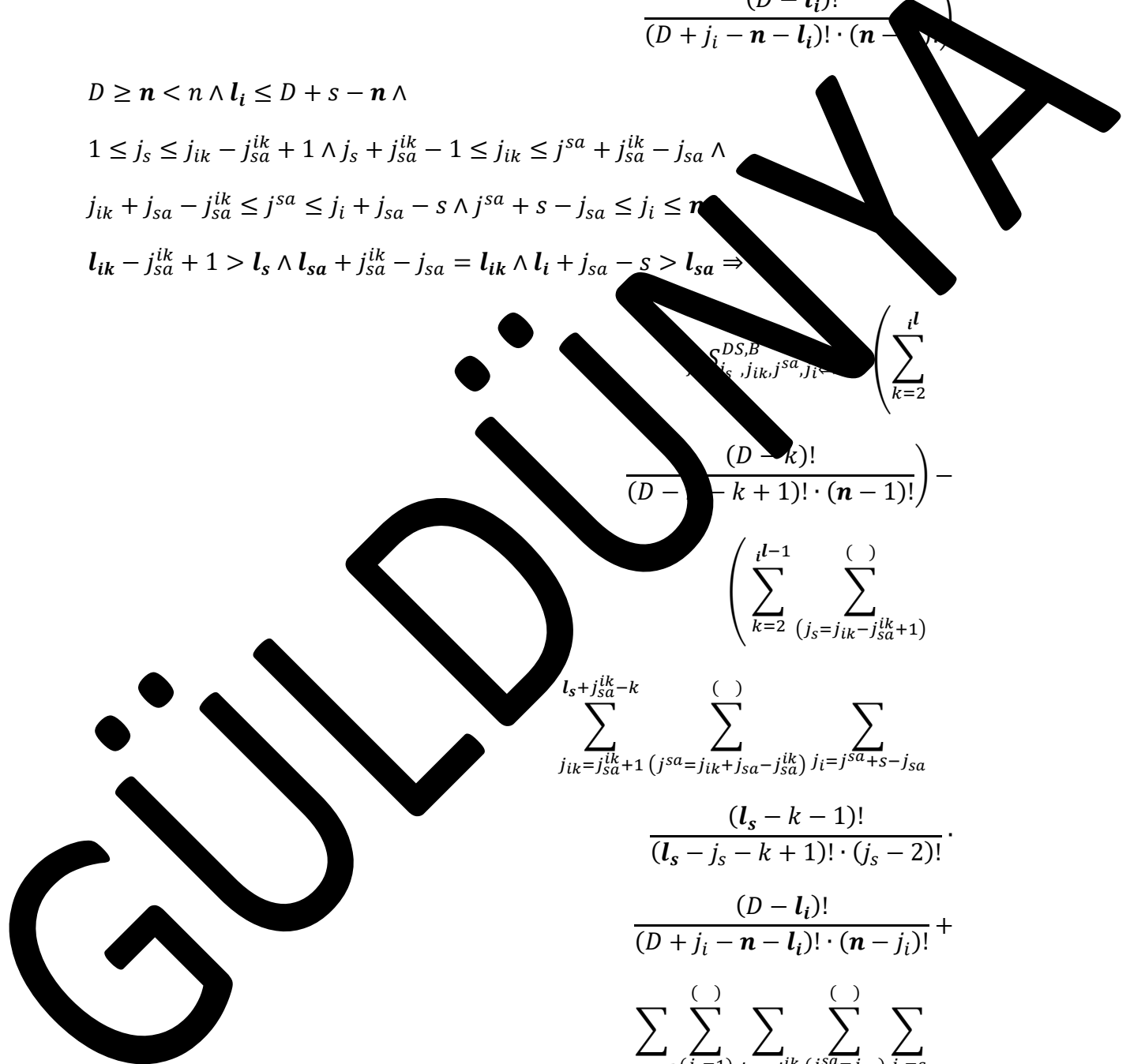
$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$

$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$

$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$



$$\left(\sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}^{l_s + j_{sa}^{ik} - k} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{()} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa} + 1}^{l_i - k + 1} \right.$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik} - k + 1} \sum_{j_{ik} = l_s + j_{sa}^{ik} - k}^{()} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}^{l_i - k + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1} (j_{ik} - j_{sa}^{ik})} \sum_{(j_s=2)}^{l_s + j_{sa}^{ik} - k} \sum_{j_{ik} = j_{sa}^{ik} + 2}^{()} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i^{l+1}} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}) \sum_{()} \sum_{j_i=s+1}^{l_i-i^{l+1}} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - s - j_{sa} \leq j_i - n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$

$\sum_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$

$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{()} \sum_{j_i=j^{sa}+s-j_{sa}} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$

$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$

$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+2}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)}^{l_{ik}-i+1} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_{sa} - j_{sa} - s > 0) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{sa} - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) =$$

$$f_Z S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{\quad} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \sum_{j_{ik}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \binom{i-1}{j_s=2} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \sum_{j_{ik}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{ik}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} - l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{l_s-k+1} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{l_{sa}-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik})} \sum_{j_i=j_{sa}^{ik}-j_{sa}+1}^{(j_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+2}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik}-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

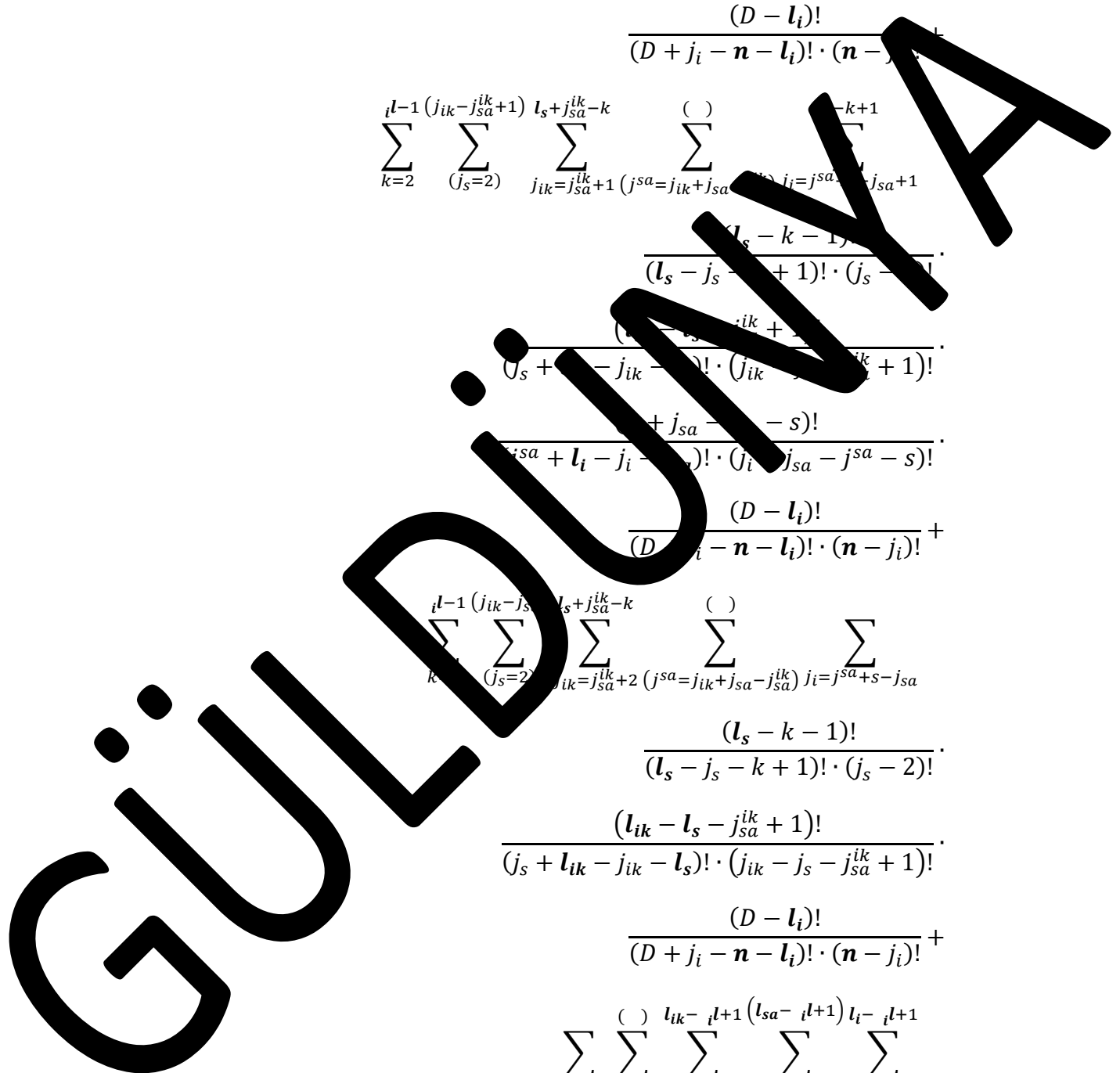
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(l_{ik}-i^{l+1})} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \sum_{j_i=s+1}^{(l_{sa}-i^{l+1})} \sum_{j_i=i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\sum_{\substack{DS,B \\ j_s, j_{ik}, j^{sa}, j_i}} \binom{i!}{k=2}$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i!-1} \sum_{j_s=2}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i!} \sum_{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{\binom{()}{j^{sa}=j_{sa}}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{sa}-k-j_{sa}+2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i^{l-1} (l_{sa}-k-j_{sa}+2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=s+1}^{l_i-k+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_i \leq D + s - 1$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} = j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - 1 \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa} + 1 = l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} = l_i \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$f_{z_{j_s, j_{ik}, j_{sa}, j_i}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{ik}-k-j_{sa}^{ik}+2)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_s+j_{sa}^{ik}-j_{sa})} \sum_{j_i=}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D > n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i + j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_s=1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{(i)} \sum_{(j_s=1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{(j_s=1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j_s=1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(i)} \sum_{(j_s=1)}^{(l_{sa}-i+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j_s=1)}^{(l_{sa}-i+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{(l_{sa}-i+1)}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS} \Leftrightarrow \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{s=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_s=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{l_{sa}-k+1} \sum_{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDÜMNYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})} \sum_{j_i=j^{sa}-j_{sa}+1}^{(l_s-k-1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - k)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{(l_{sa}-i+1)} \sum_{(j_s=1)}^{l_i-i+1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq i \leq n \wedge l_i = s - n \wedge$$

$$1 \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$l_{sa} + j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{j_i=l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \right) \sum_{j_{ik}=j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

GÜLÜM

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}^{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{(D-n)} \right)$$

$$\frac{\binom{D-n}{k+1} \binom{D-n}{k+1}}{(D-n-k+1)! \cdot (k+1)!} -$$

$$\left(\sum_{j_s=2}^{i^{l-1} (l_s-k+1)} \right)$$

$$\sum_{j_s=j_s+j_{sa}^{ik}-1} \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

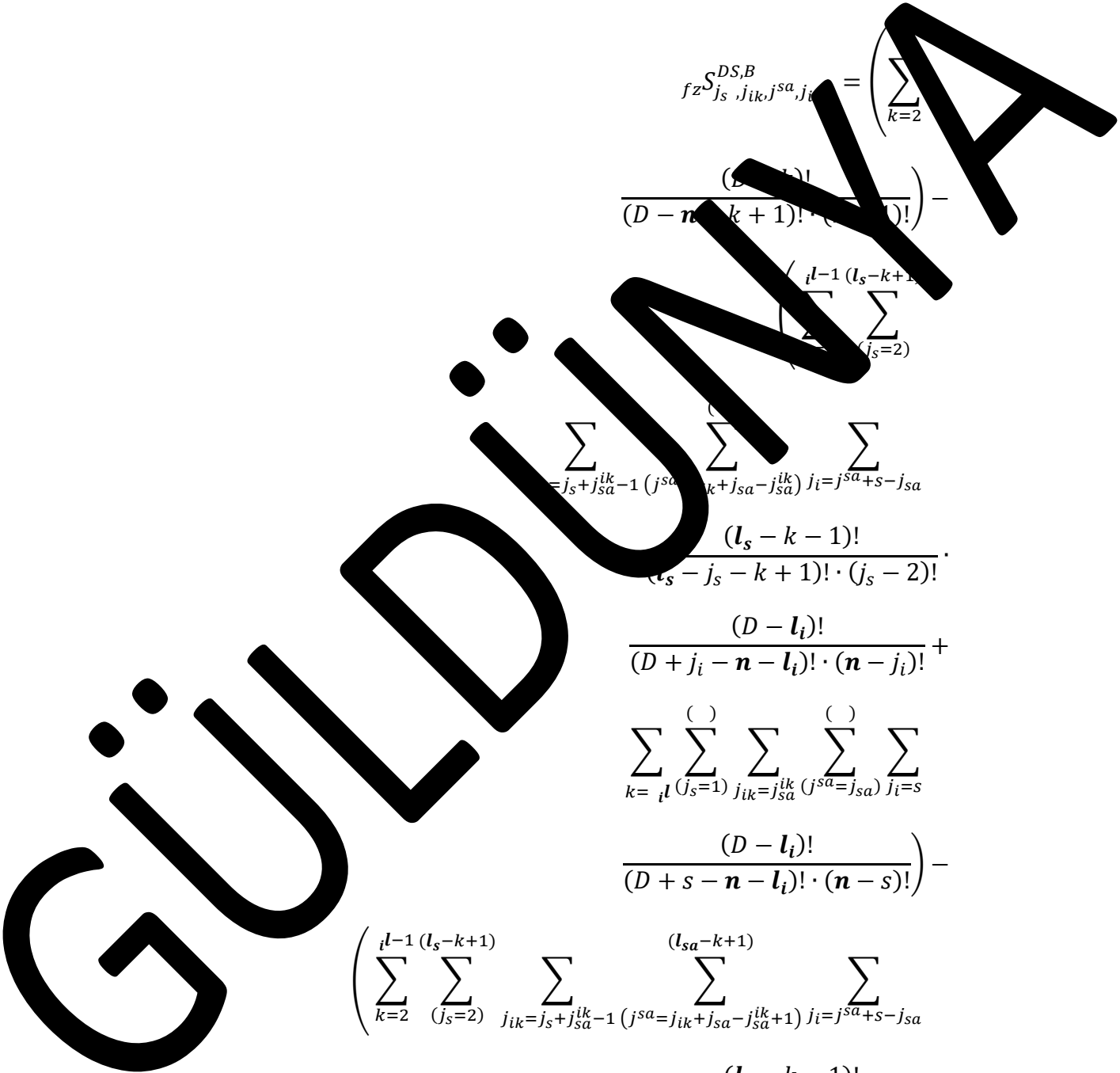
$$\sum_{k=i}^{(D-n)} \sum_{j_s=1}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{(j_{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s-k+1)} \sum_{j_s=2}^{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa} - i^{l+1})} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i - j_{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$$

$$j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s - k + 1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik} - k + 1} \sum_{j_{ik}=j_s + j_{sa}^{ik}}^{(j_{sa}=j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i=j_{sa} + s - j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l-1} \sum_{(j_s=1)}^{l_{ik} - i^{l+1}} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{sa}=j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i=j_{sa} + s - j_{sa}}$$

$$\frac{(l_{ik} - j_i - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_i - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_i = D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_s + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{(\cdot)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i} \sum_{\binom{(\cdot)}{j_s=1}} \sum_{\binom{(\cdot)}{j_{ik}=j_s}} \sum_{\binom{(\cdot)}{j_{sa}=j_s}} \sum_{j_i=s}$$

$$\frac{(l_s - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{\binom{(\cdot)}{j_s=2}} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{(\cdot)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} + j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{\binom{(\cdot)}{j_s=2}} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{(\cdot)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}+s-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa}-i^{l+1})} \sum_{j_i=s+1}^{l_i-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_s \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i - j_{sa} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$

$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$

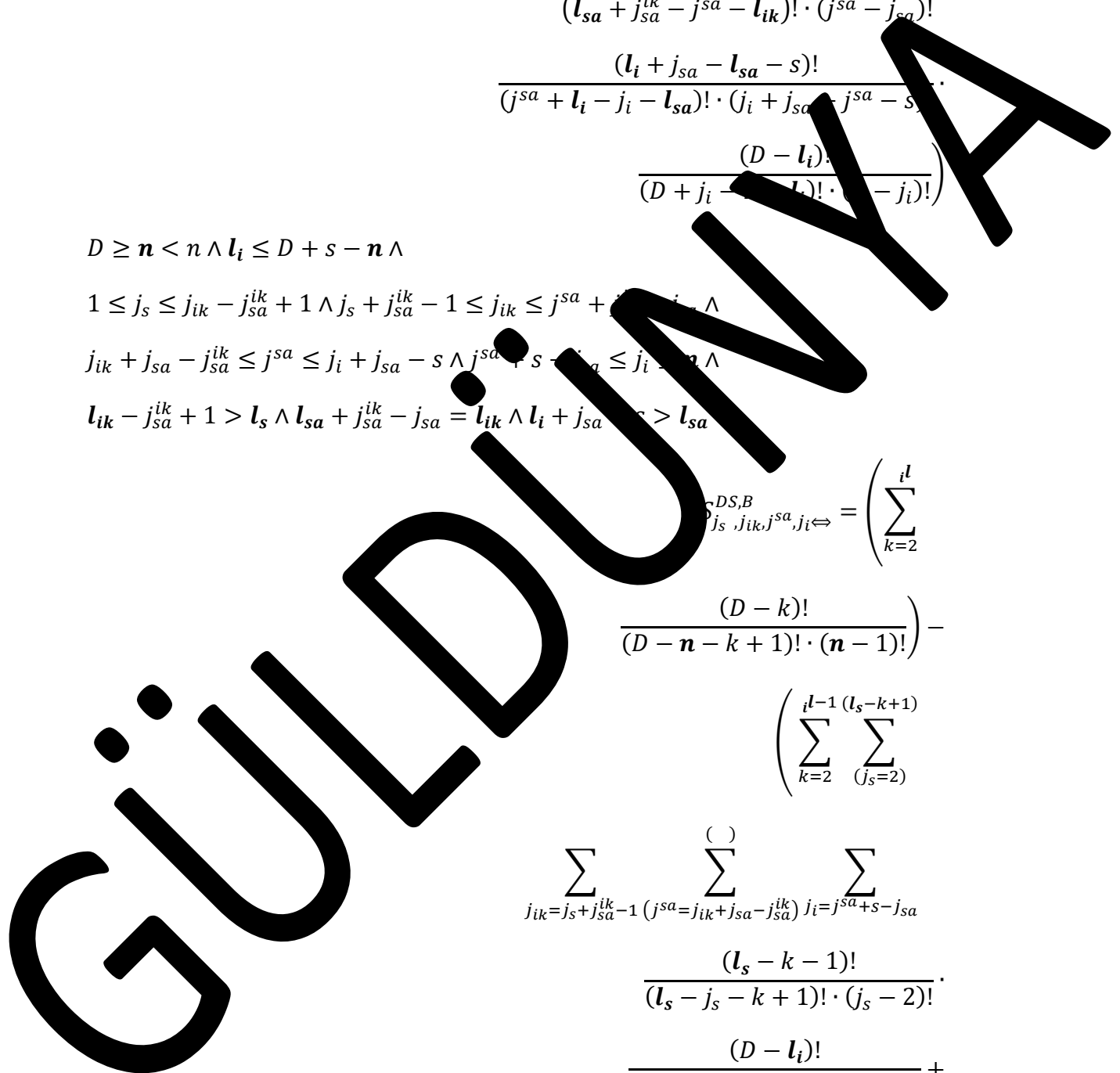
$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \right)$

$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$



$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik-k+1}} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{\binom{(\quad)}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{l_i-k+1} \sum_{j_i=j_{sa}+s-j_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik-k+1}} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{(\quad)}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{l_i-k+1} \sum_{j_i=j_{sa}+s-j_{sa}+1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=i^l} \sum_{\binom{(\quad)}{(j_s=1)}}^{l_{ik-i^{l+1}}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{\binom{(\quad)}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{l_i-i^{l+1}} \sum_{j_i=s+1} \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{i}{k}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (i - 1)!}$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{i-1} \binom{i-1}{k}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{j_{sa}=j_{ik}+j_{sa}^{ik}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

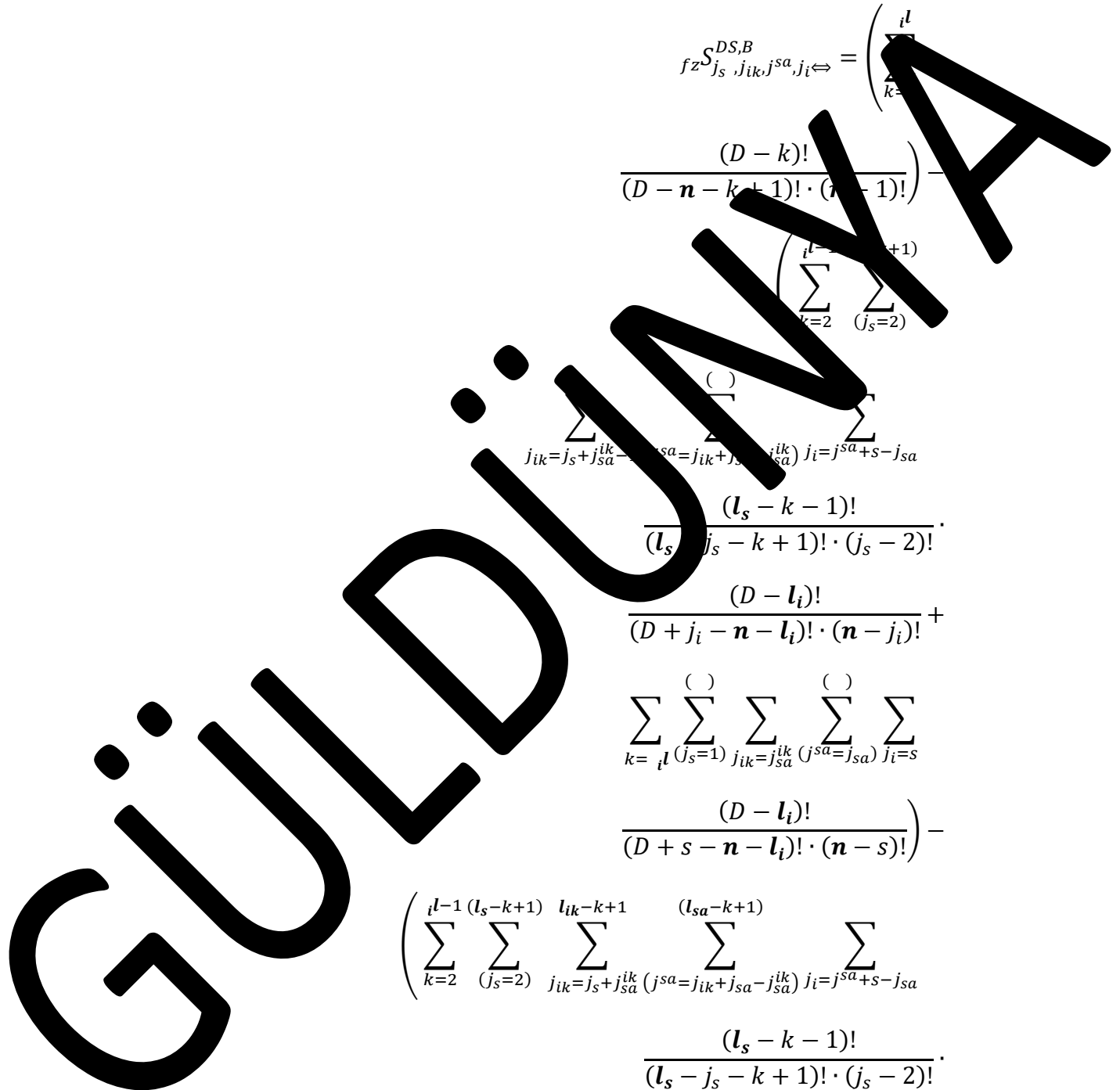
$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{i-1} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik} + 1)} \sum_{j_i=j^{sa} + s - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} +$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(l_i)} \sum_{(j_s=l_s - k + 1)} \sum_{j_{ik}=j_s} \sum_{(j^{sa}=j_{sa} + 1)} \sum_{j_i=j^{sa} + s - j_{sa}}$$

$$\frac{(l_s - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} +$$

$$\frac{(l_s - l_{ik} - j_{sa})!}{(j_{ik} + l_s - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(n \geq n < n \wedge l_s \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{ik} + 1 > l_s \wedge l_{ik} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_{i \Leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik})} \sum_{(j_i=j_{sa}^{sa})} \sum_{(j_i=j_{sa}^{sa}+s)}$$

$$\frac{(l_s - n - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(l_i + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

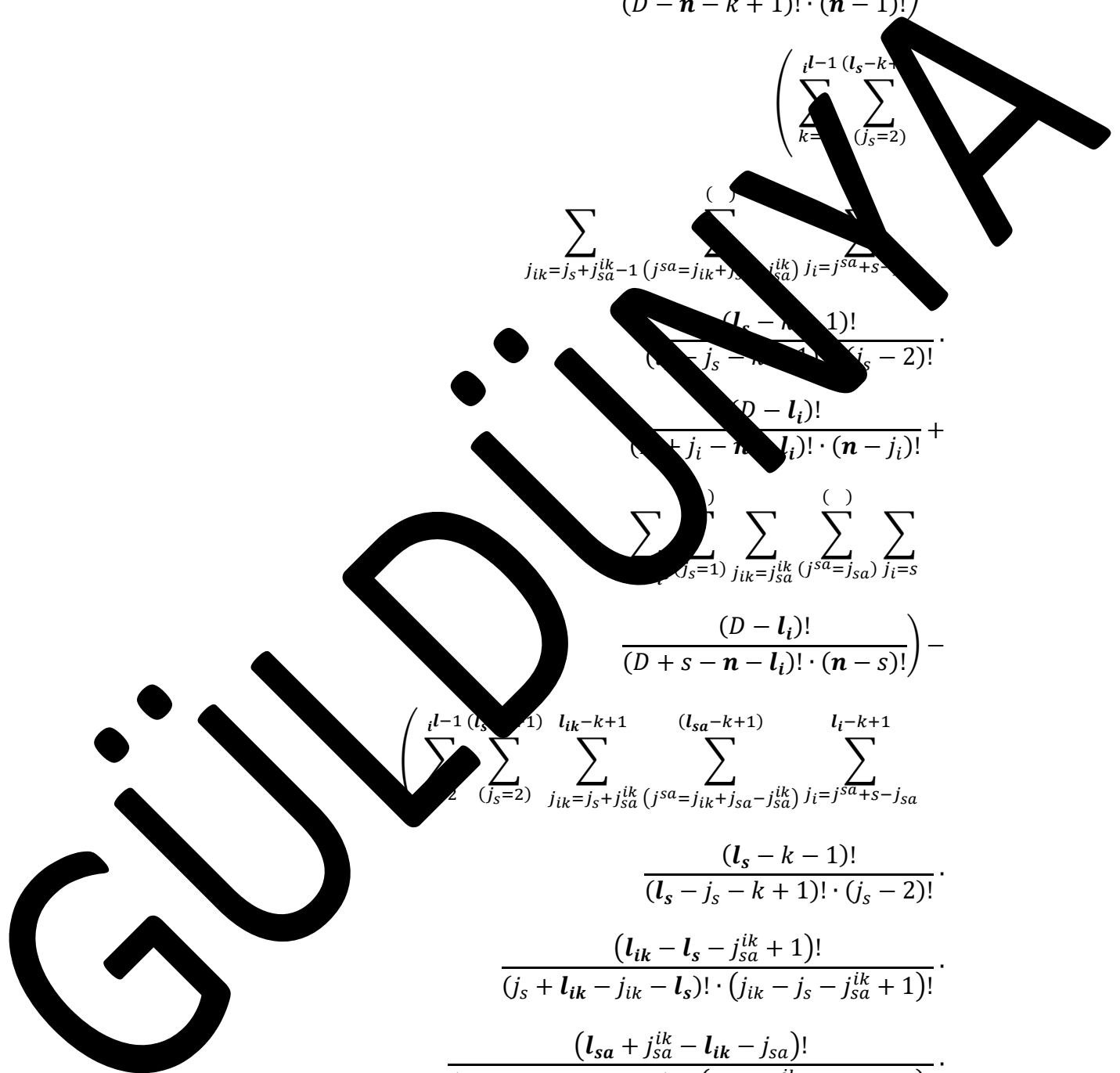
$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{l_{ik}-k+1} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(l_{sa}-k+1)} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{l_i-k+1} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(l_{sa} - k + 1)} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik} + 1)}^{l_i - k + 1} \sum_{j_i=j^{sa} + s - j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(l_{sa} - k + 1)} \sum_{(j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik} + 1)}^{l_i - k + 1} \sum_{j_i=j^{sa} + s - j_{sa} + 1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{(l_{ik} - i^{l+1})} \sum_{(j_s=1)}^{(l_{sa} - i^{l+1})} \sum_{j_{ik}=j_{sa}^{ik}}^{l_i - i^{l+1}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

GÜLDÜZÜM YA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz^{s,B} j_{sa}^{ik}, j_{sa}^{ik} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - k - 1)!} -$$

$$\sum_{k=2}^{D+l_s+l_i-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

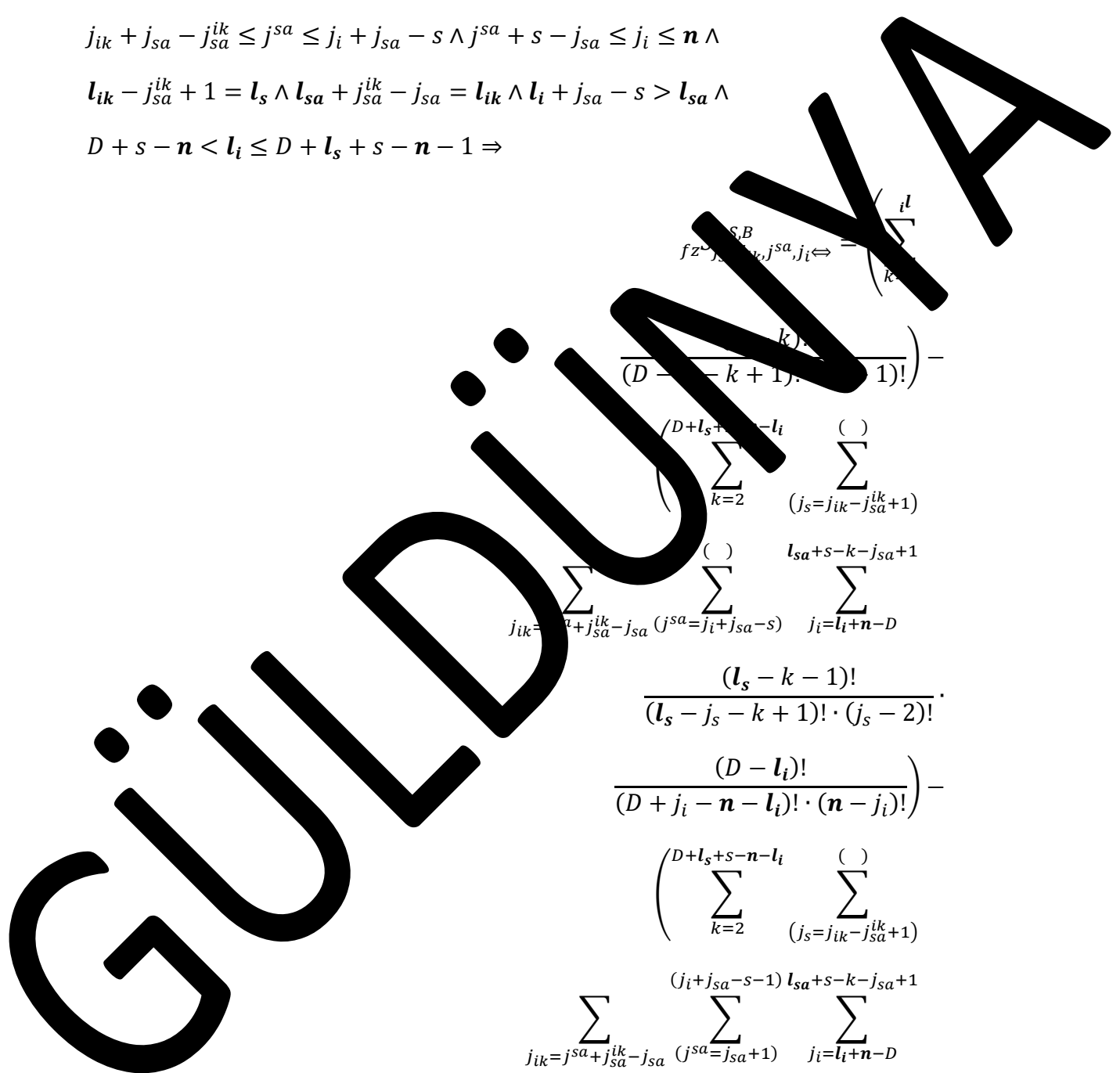
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\binom{D+l_s+s-n-l_i}{k=2} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=j_{sa}+1)}^{l_{sa}+s-k-j_{sa}+1} \sum_{j_i=l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$



$$\begin{aligned}
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_{sa}+s-k-j_{sa}+2}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=i}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1} \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

$$D \geq n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_{i \leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i-n-s)}^{()} \sum_{j_i=l_i+n}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{l_{ik}+s-j_{sa}^{ik}+1}{(j_s-2)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=j_{sa}+1)}^{()} \sum_{j_i=l_i+n-D}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{l_{ik}+s-k-j_{sa}^{ik}+1}{(j_s-2)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{l_i-k+1}{(j_s-2)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (l_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i^l+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n - l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_s - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + l_s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg)$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\cdot)} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_i+n-1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\
 & \left(\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLTÜRSÜZ

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(l_i-k+1)} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l}^{(l_i-k+1)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(l_i-k+1)} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik})!}{(l_{sa} + j_{sa}^{ik} - j_{ik} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge l_i - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{ik}-k+1)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\quad)}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=l_i+n-D} l_{ik+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\binom{(D+l_s+s-n-l_i)}{\sum_{k=2}^{j_s} \binom{j_s-k}{j_s-k+1}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa}} \sum_{\binom{(\quad)}{j_i+j_{sa}-s}} \sum_{j_i=l_i+n-D} l_{ik+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{\binom{j_s-k}{j_s-k+1}} \sum_{\binom{(\quad)}{j_s=j_{ik}-j_{sa}^{ik}+1}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{\binom{(\quad)}{j^{sa}=l_{sa}+n-D}} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_i-i+1} \sum_{j_i=l_i+n-D} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

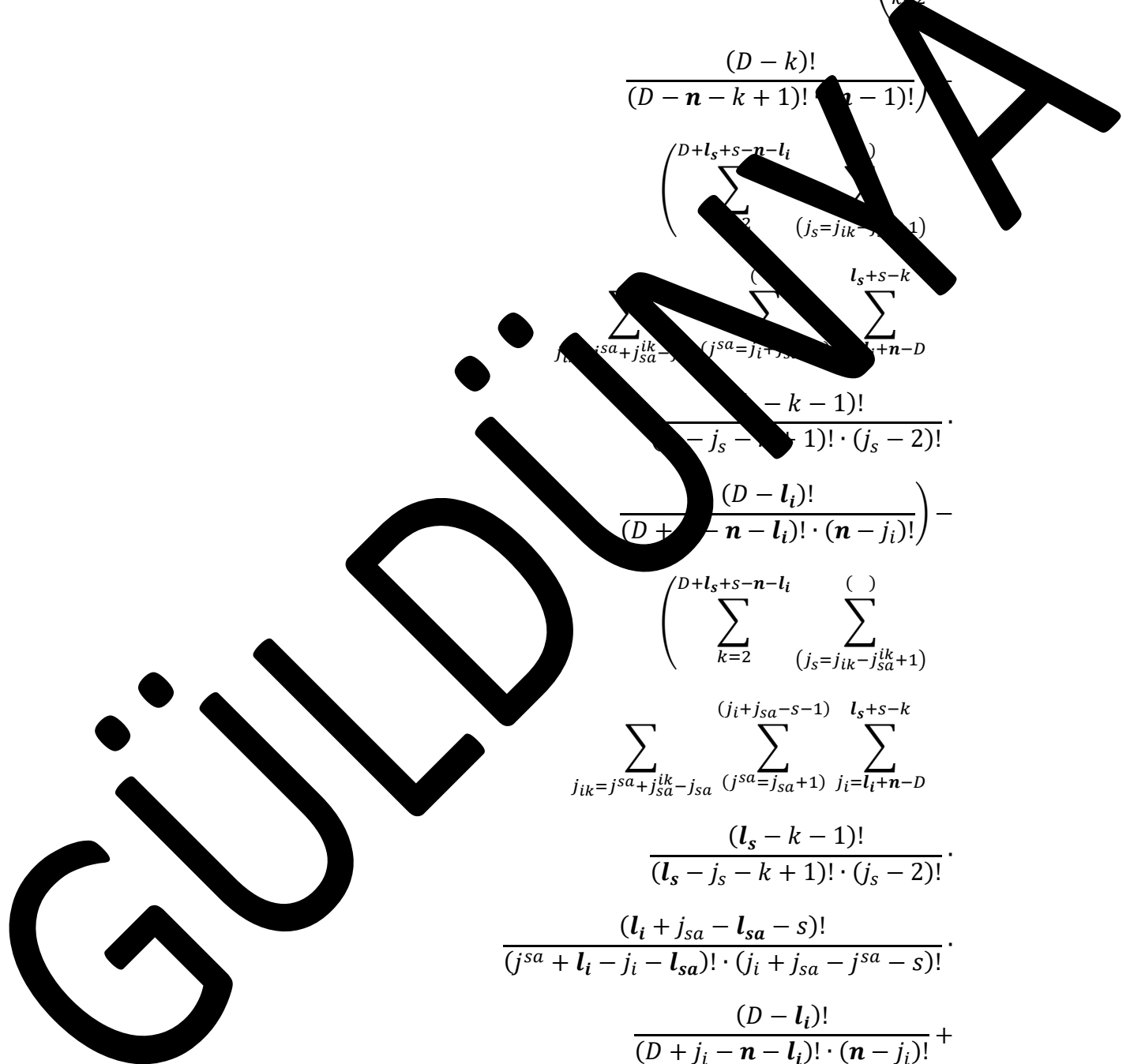
$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{j_s=j_{ik}-s+1}^{D+l_s+s-n-l_i} \sum_{j_{sa}=j_i+j_s}^{l_s+s-k} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{sa}=j_i+j_s)} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(j_s=j_{ik}-s+1)} \sum_{j_{sa}=j_{sa}+1}^{l_s+s-k} \sum_{j_i=l_i+n-D}^{(j_s=j_{ik}-s+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$



$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=j_i}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq l_s < n \wedge l_s \leq D \leq n + 1$$

$$j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - j_{sa} \leq l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDENWA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_{sa}=j_i+j_{sa}-s)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_{sa}=j_i+j_{sa}-s)} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik})!}{(l_{sa}+j_{sa}^{ik}-j_{sa}-l_{ik})! \cdot (j_{sa}-j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + j_{sa}^{ik} - j_{sa} \leq j_i \leq n \wedge l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge D + s - n < l_i \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_{sa}=j_i+j_{sa}-s)} \right) -$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+s-k)} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(l_s+s-k)} \sum_{j_i=l_i+n-D}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j^{sa}=j_i+j_{sa})}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_i=n-D}^{(j_{ik}-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_i=l_s+s-k+1}^{(j_{ik}-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(j_{ik}-j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - s - j_{sa} \leq j_i - n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 =$$

$$f_z^{DS,B} \sum_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{i!} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_i+j_{sa}-s-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_s+s-k+1} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

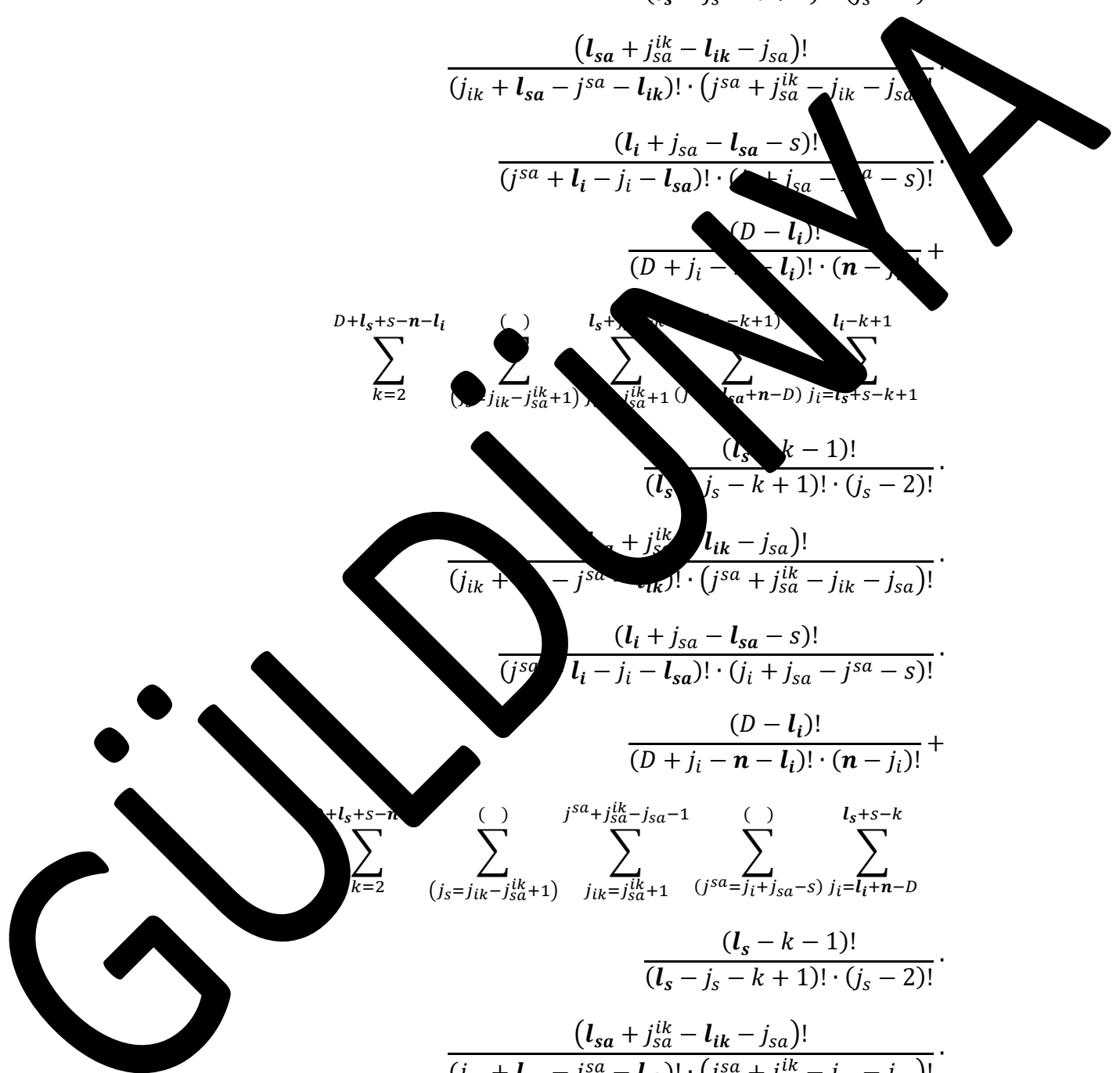
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_s+s-n} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(j_i+j_{sa}-s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j_i+j_{sa}-s-k+1)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{\binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}} \sum_{l_s+j_{sa}^{ik}-k}^{j_{ik}=j_{sa}^{ik}+1} \sum_{(l_{sa}-k+1)}^{j^{sa}=l_{sa}+n-D} \sum_{l_i-k+1}^{j_i=l_i+n-D} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l}^{\binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}} \sum_{l_s+j_{sa}^{ik}-k}^{j_{ik}=j_{sa}^{ik}+1} \sum_{(l_{sa}-k+1)}^{j^{sa}=l_{sa}+n-D} \sum_{l_i-k+1}^{j_i=l_i+n-D} \frac{(l_s + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D + s - n < n \wedge l_i \leq D - l_s + 1 \wedge$$

$$1 \leq j_i \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j^{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_i \wedge l_i + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_Z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}j_{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot
 \end{aligned}$$

GÜLDENWA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-i^l+1} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{(D-l_i)} \right) -$$

$$\frac{(D-l_i)!}{(D-n-k+1)! \cdot (n-j_i)!} -$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{j_{sa}^{ik}=j_{sa}+1}^{(j_{sa}^{ik})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j_{ik})} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j^{sa})} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

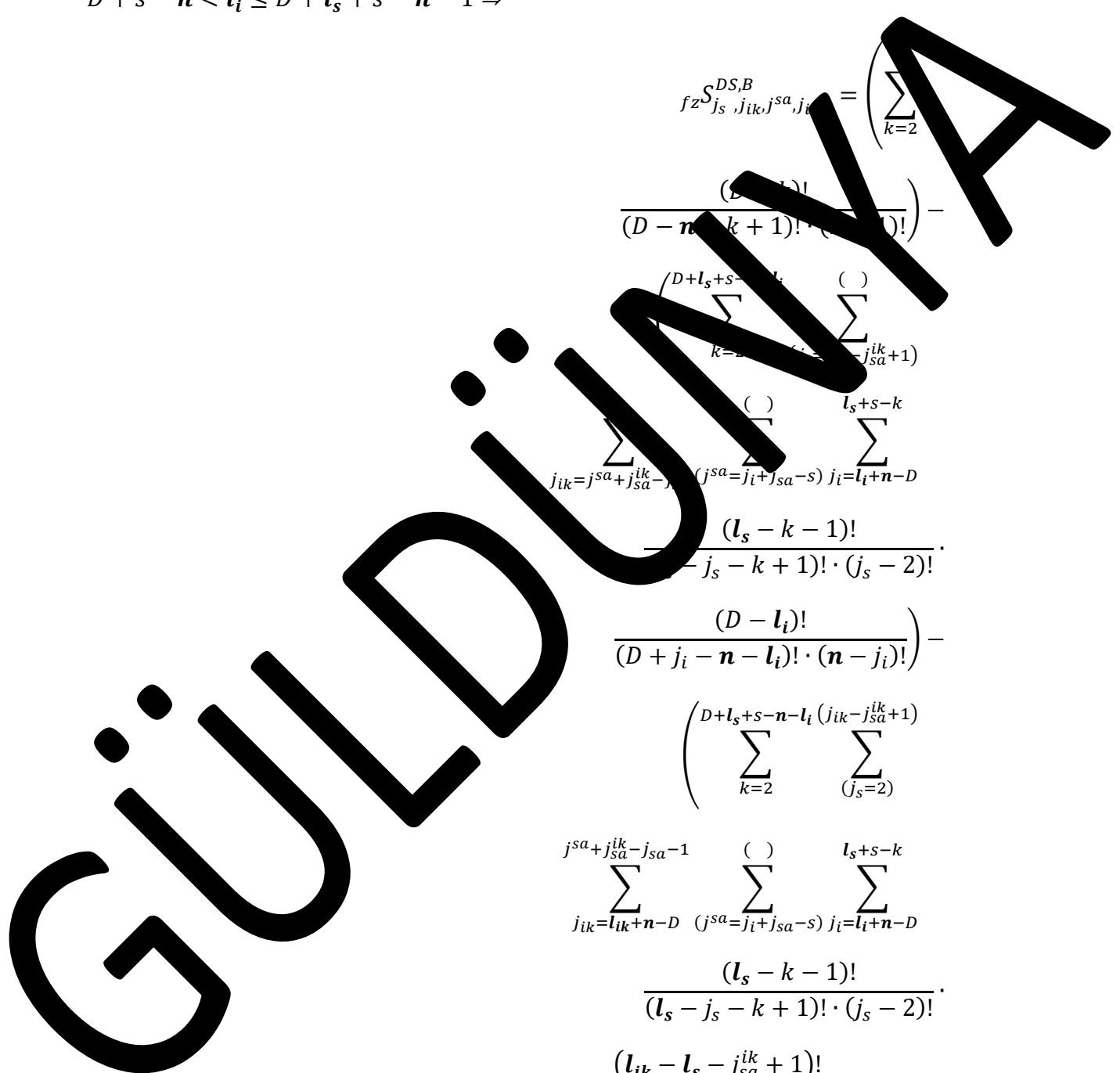
$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right) -$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(j^{sa})} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_s} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{l_i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDÜZMAYA

$$\sum_{k=i}^l \sum_{(j_s=1)}^{l_{ik}-i^{l+1}} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{l_i-i^{l+1}} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i - 1)! \cdot (l_i - j_i)!}$$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_i - s + 1 > l_s \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{l_i-i^{l+1}} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{l_i-i^{l+1}} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{j_{sa}=l_{sa}+n-D}^{(j_i+j_{sa}-s-1)} \sum_{j_i=n-D}^{+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=2)}^{D+l_s+s-n-l_i} \sum_{j_{ik}=l_{ik}+n-D}^{(l_s-k+1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{ik}-k+1} \sum_{j_i=l_s+s-k+1}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZMAYA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

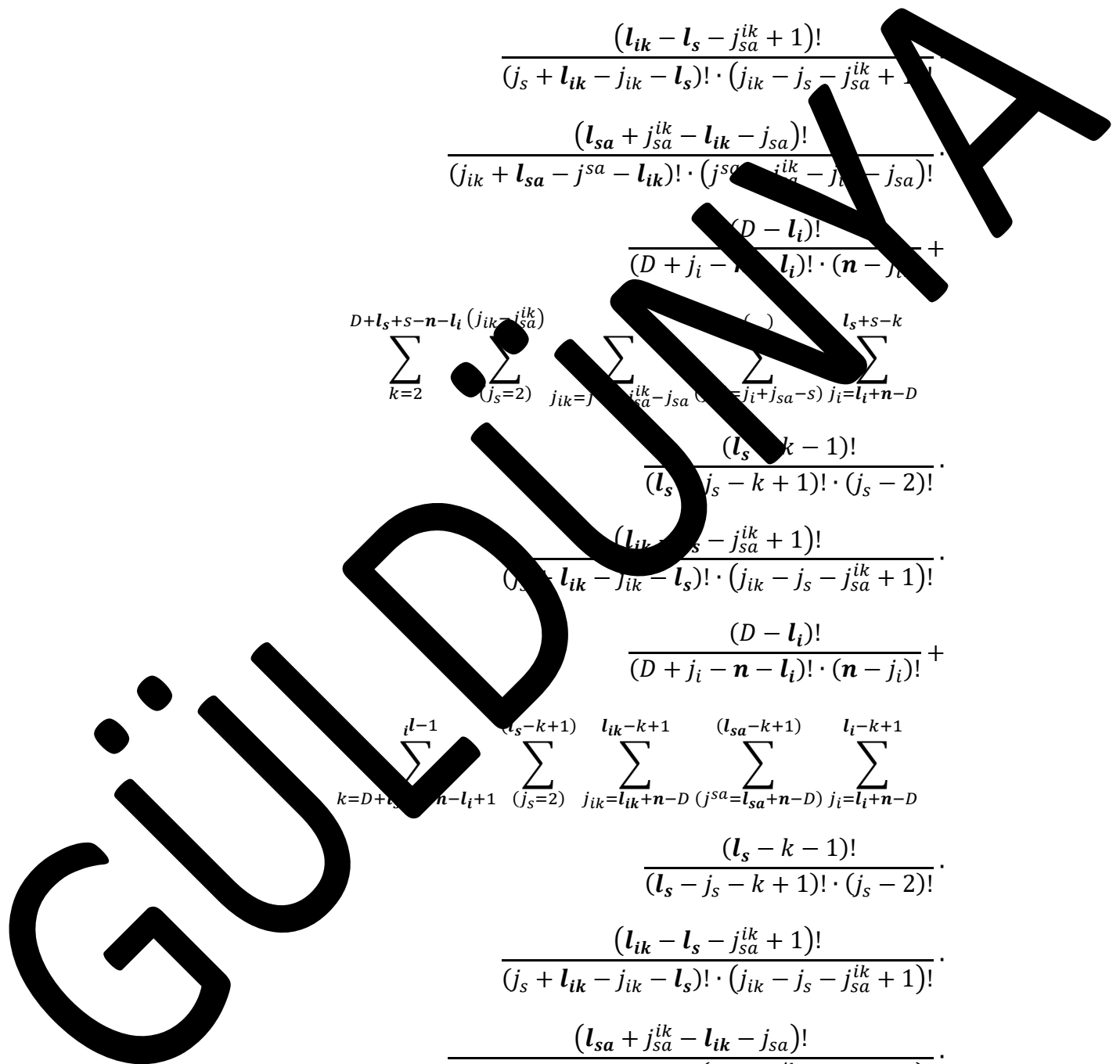
$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}-1}^{j_{sa}^{ik}+j_{sa}-j_{sa}-1} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - j_i - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i - j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - n - l_i)!}{(D - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j^{sa} + j_{sa}^{ik} - j_i \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i \leq j_{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i < D + l_s + s - n + 1 \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

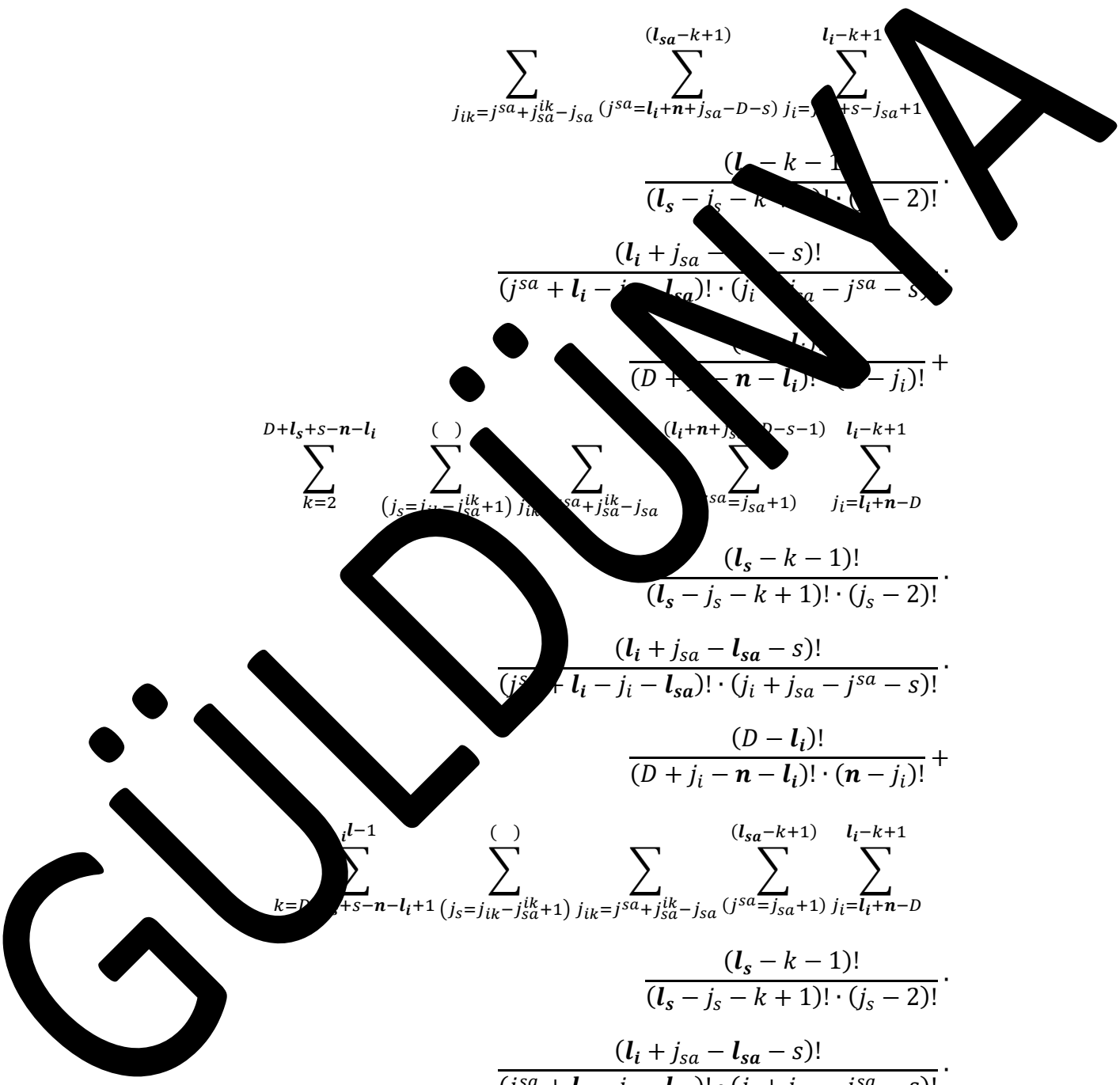
$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{l_i-k+1} \sum_{j_i=j^{sa}+j_{sa}^{ik}-j_{sa}}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=j^{sa}+j_{sa}^{ik}-j_{sa}}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+j_{sa}^{ik}-j_{sa}}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +
 \end{aligned}$$



$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}-s)}^{(l_i+j_{sa}-D-s-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

GÜLDENYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_{z^s, B}^{j_s, j_{sa}, j_{sa}^{ik}, j_i} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_i+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{(l_{sa}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_i-k+1)}$$

$$\frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{lk}+1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{lk}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{lk}+1)}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{lk}-D-1}^{l_{sa}+j_{sa}^{lk}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{lk}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

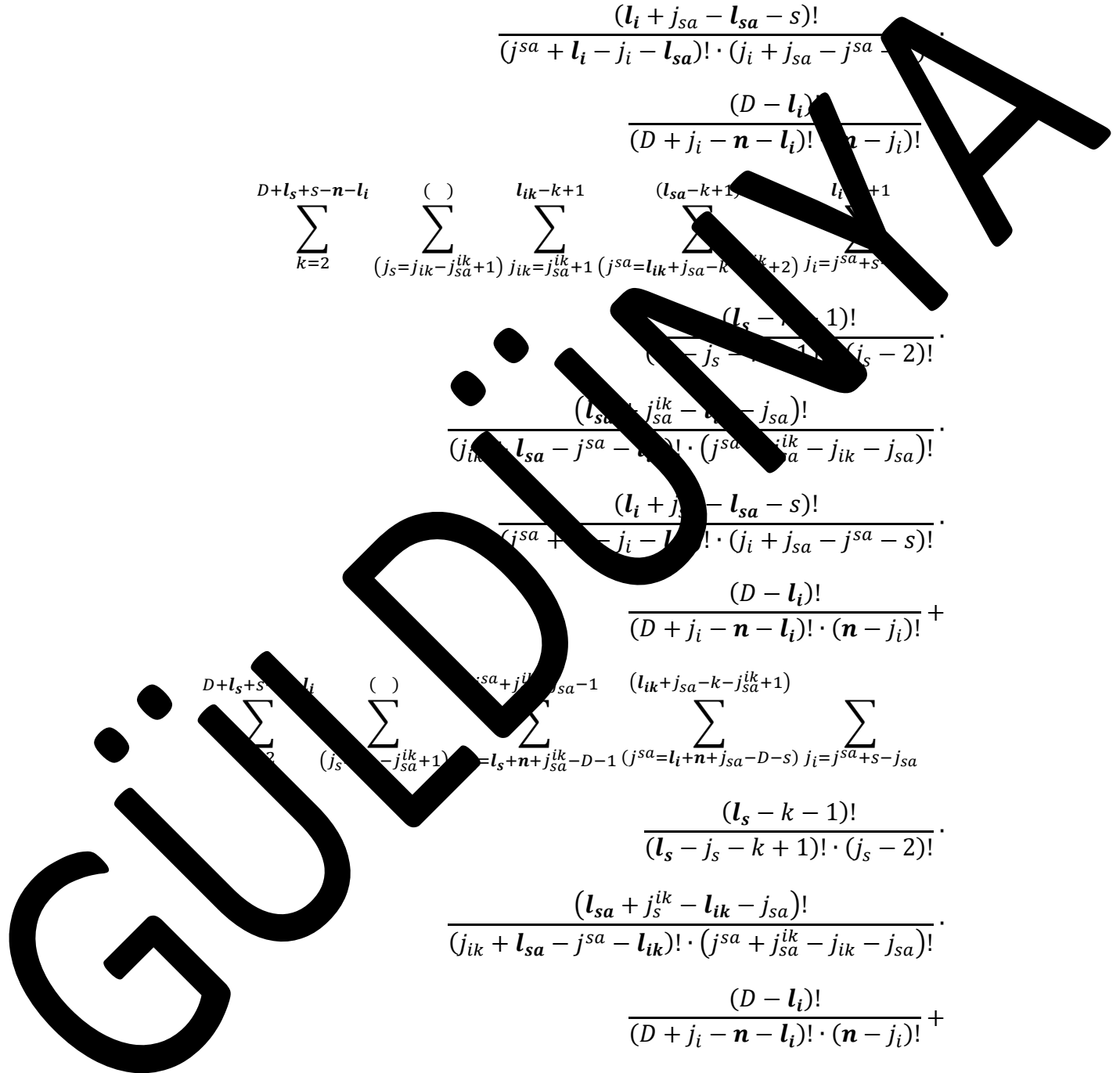
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{lk}+1)}^{()} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}^{ik}+s-D) \leq j_i \leq n-D} \sum_{j_i^{sa}+n-D}^{(l_{sa}-i^{l+1})} \sum_{j_i^{sa}+n-D}^{(l_i-i^{l+1})}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_s - n < s \leq D + l_s \wedge s - n - 1 \Rightarrow$$

$$f_{zS}^{DS,B}_{j_s, j_{ik}, j_{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{\binom{D-l_i}{j_s=1}} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+n-D}^{k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{(j^{sa}=j_{sa}+1)}^{(l_i+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, l} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_i+n+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_s)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_s)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i+j_{sa}-i-l-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_{z^s, B}^{j_s, j_{sa}^{ik}, j_{sa}^{ik}, j_i} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(D - l_i - k + 1)! \cdot (1)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}}^{j_{sa}-k} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

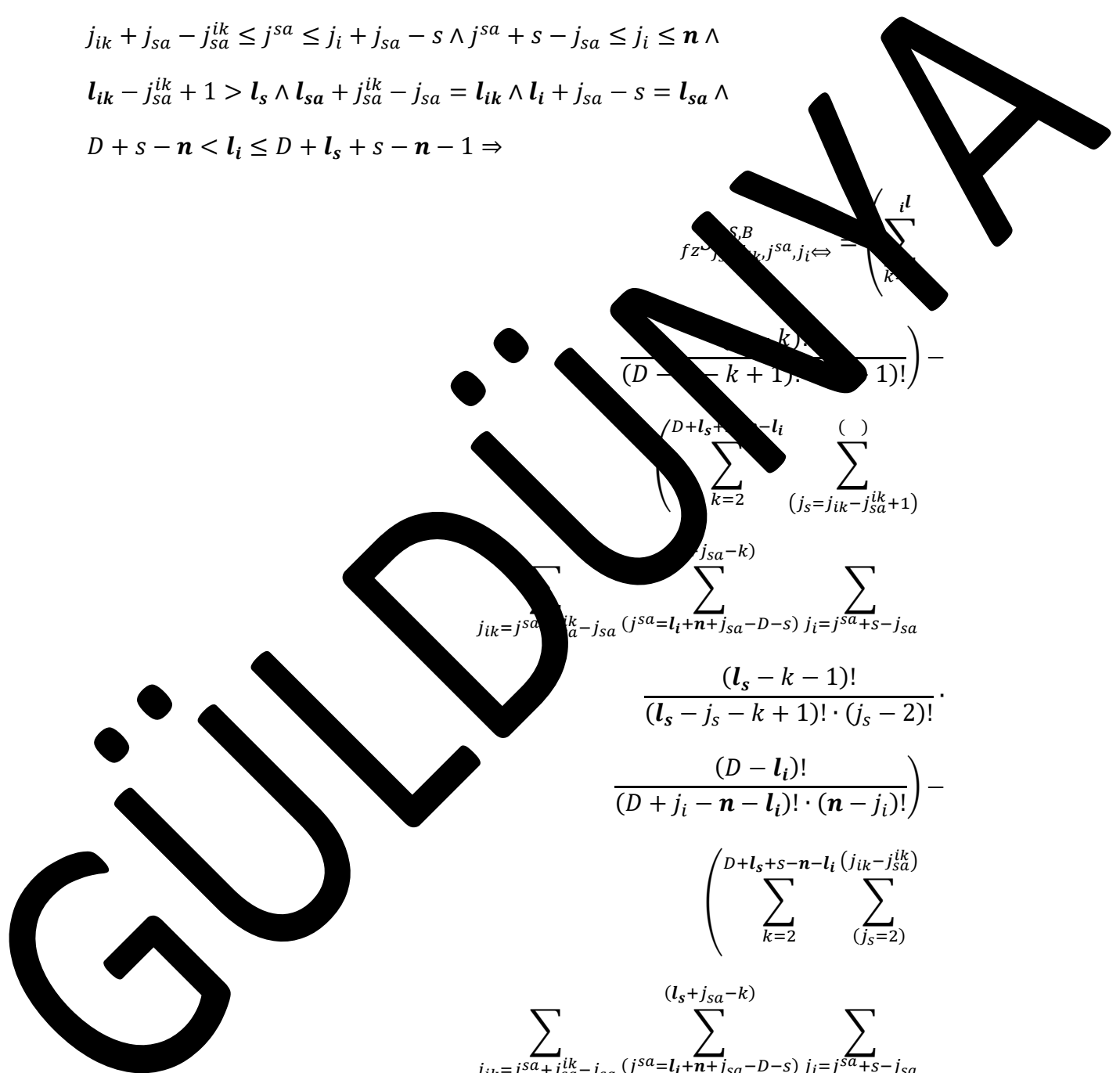
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2} (j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_i - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{(i)} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-i-l-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$\begin{aligned}
 & l_i \wedge l_s \leq D - n + 1 \wedge \\
 & 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge
 \end{aligned}$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+k)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+k)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_s+k)}$$

$$\frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s+j_{sa}^{ik}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+l_i-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

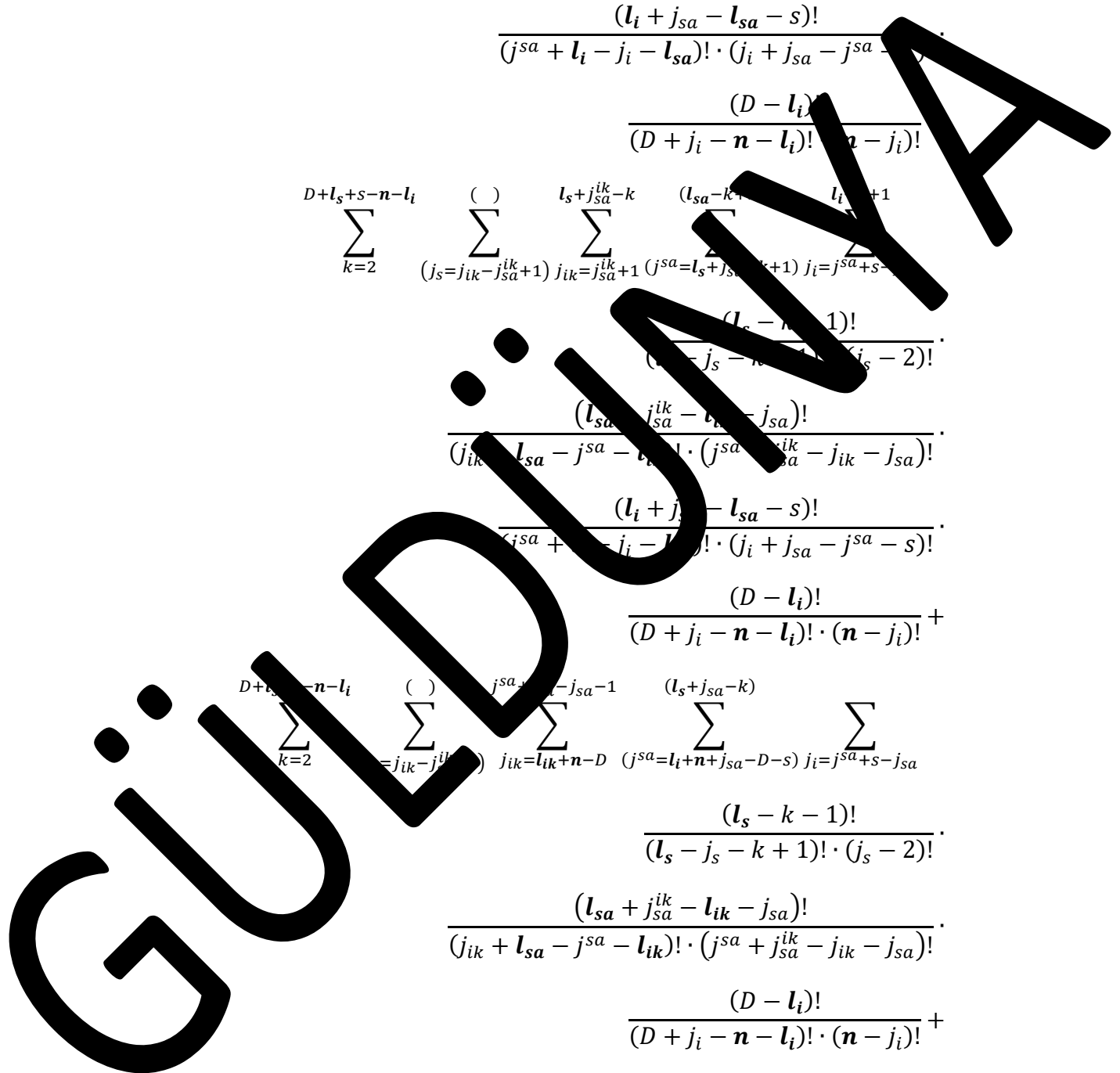
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}^{ik} + j_{sa} - D) \leq j_i \leq n - D}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa}^{ik} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_s - n < s \leq D + l_s \wedge s - n - 1 \Rightarrow$$

$$f_{zS}^{DS,B}_{j_s, j_{ik}, j_{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{\binom{D-l_i}{j_s=1}} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(l_s+j_{sa}-k)} \sum_{(j_{sa}^{ik}=l_i+n+j_{sa}-D-s) \leq j_i \leq j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_i+n+1-D-s)}^{(l_s+j_{sa}-k)} \sum_{(j_i=j_{sa}+1)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{l_i-k+1}$$

GÜLDENMYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_i+n+j_{sa}^{ik}-s)}^{(l_s-j_s-k+1)} \sum_{j_i=j^{sa}+s-k}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i}^1 \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{(l_i-k+1)}$$

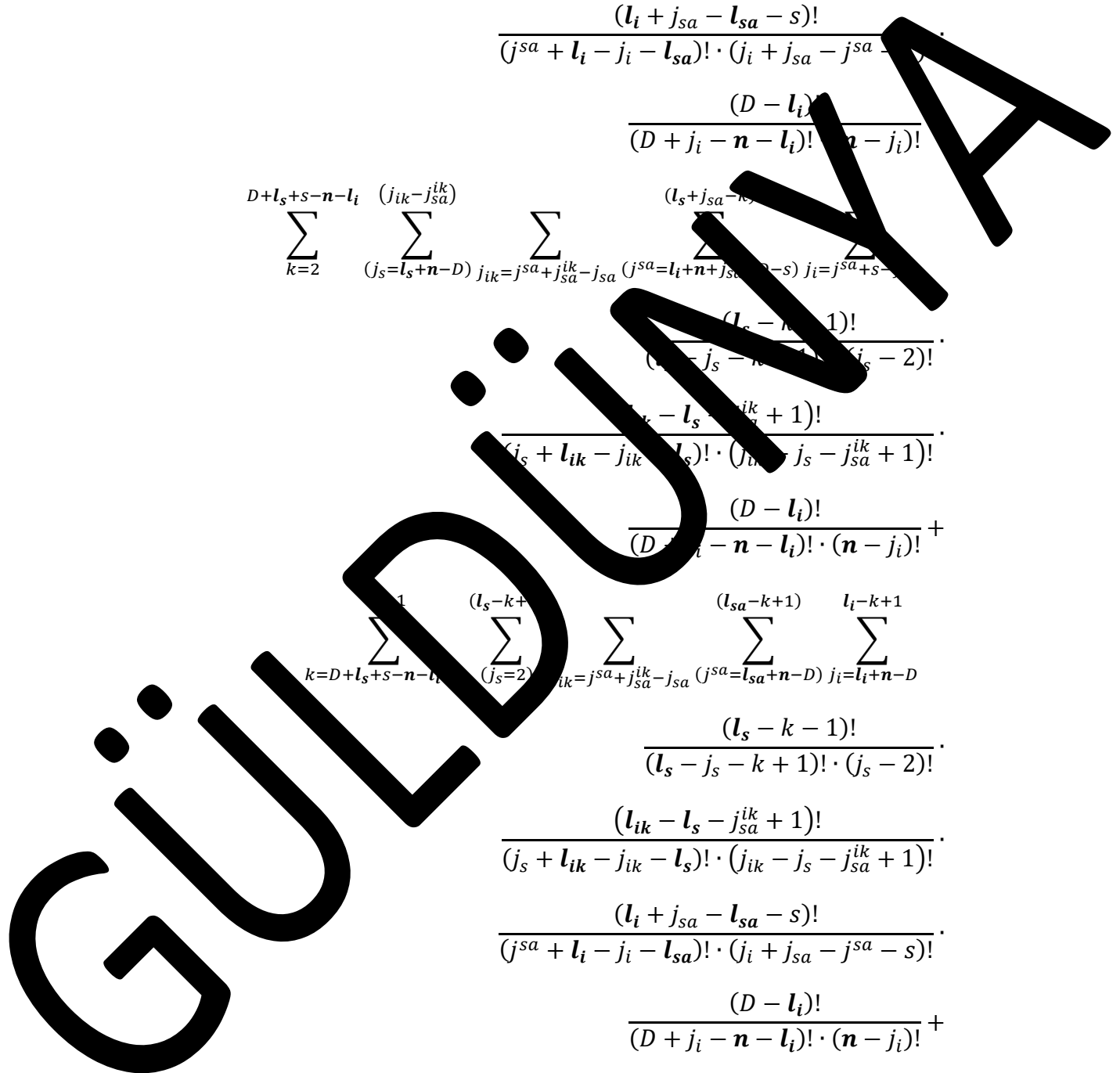
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{()} \sum_{(j_s=1)}^{(l_s-l+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s-l+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-l+1)} \sum_{j_i=l_i+n-D}^{(l_i-l+1)}$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$fz_{j_s, l_s, j_{sa}, j_i} = \left(\sum_{k=2}^{l_s} \right)$

$\frac{(D - k)!}{(D + j_i - n - k + 1)! \cdot (n - 1)!}$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$

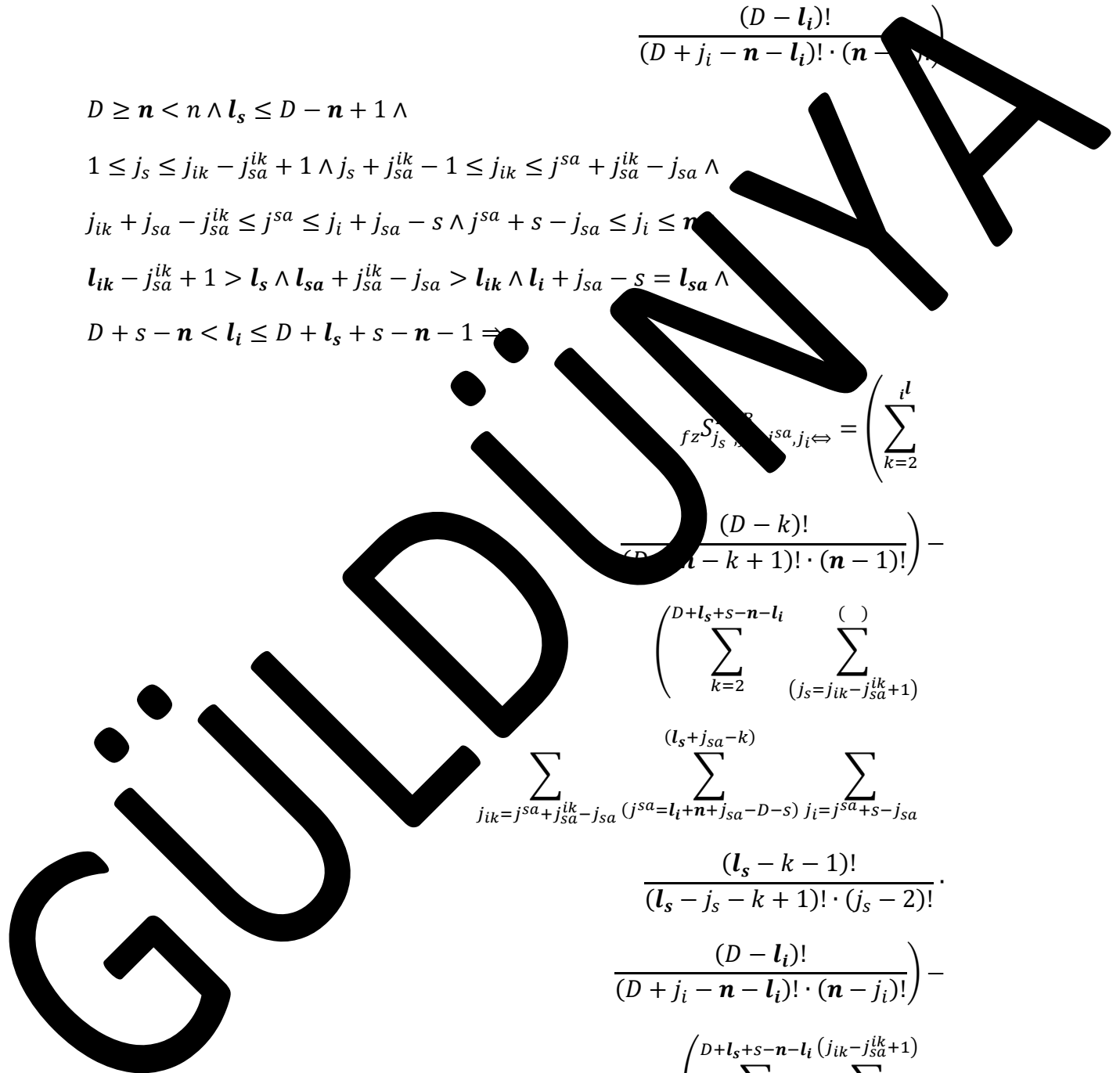
$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{()} \right)$

$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_s+j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}-k+1)} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=0}^{i-l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=l_{sa})}^{(l_{sa}-i^{l+1})} \sum_{j_i=j_i}^{j_i} \sum_{j_s=j_s}^{j_s-j_{sa}}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1) \wedge (1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa} + 1 > l_s \wedge j_i + j_{sa}^{ik} - j_{sa} > l_i + j_{sa} - s > l_{sa} \wedge D + s - n < l_i \leq D + l_s + s - n - 1) \vee (D \geq n < n \wedge l_s \leq D - n + 1) \wedge (1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge l_i - s + 1 > l_s \wedge j_i + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(n - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜMÜS

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$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

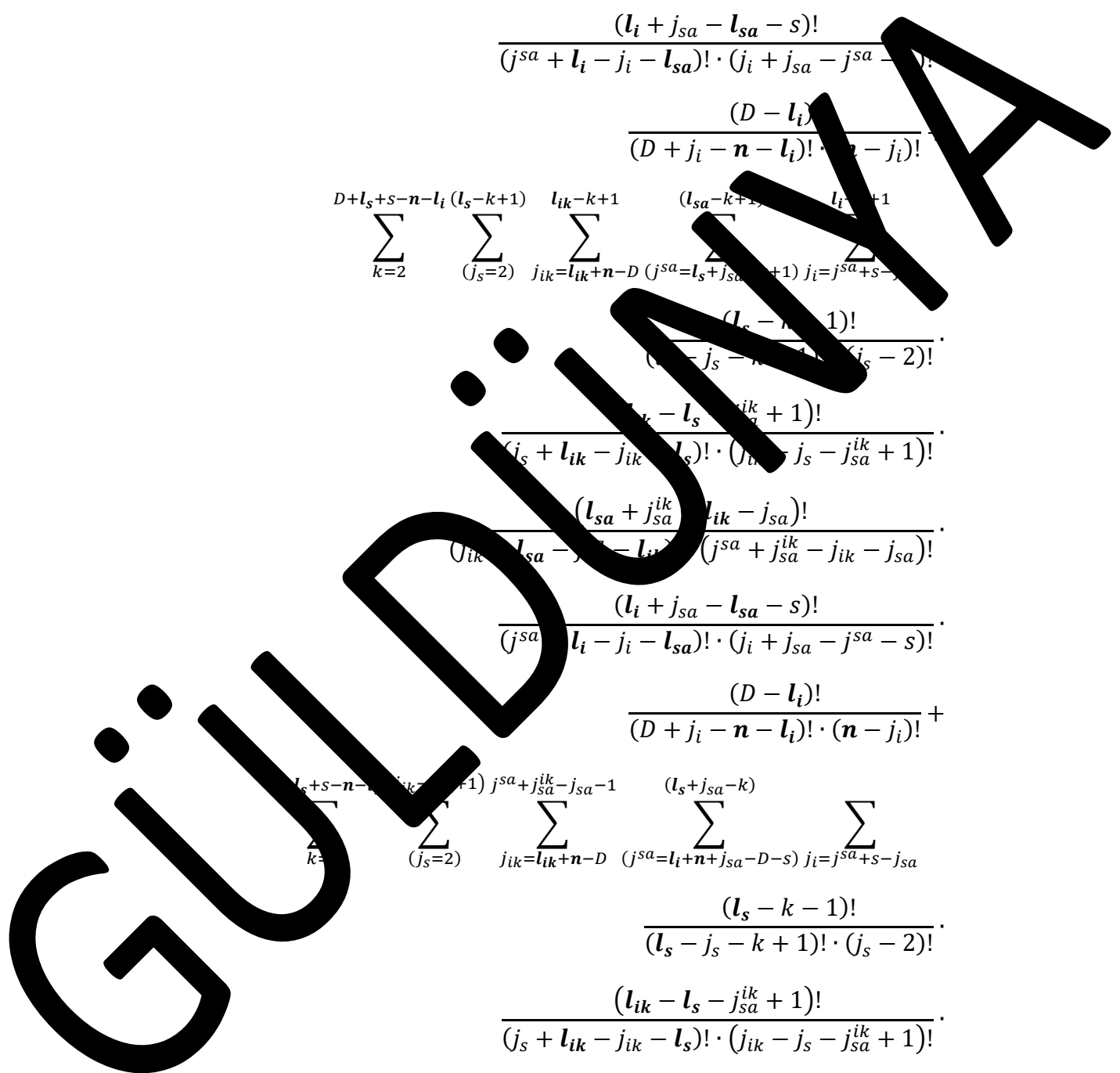
$$\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{j_{ik}-j_{sa}^{ik}}{(j_s=2)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)} \binom{l_s+j_{sa}-k}{j_i=j_{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}^{l-k+1}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l} \sum_{(j_s=1)}^{(l_{ik}-i^{l+1})} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-i^{l+1})} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_i-i^{l+1})} \sum_{j_i=l_i+n-D} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}
 \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{sa}, j_{sa}^{ik}, j_i} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+1}^{j_{sa}^{ik}-k-1} \binom{()}{j_{sa}^{ik}-D-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

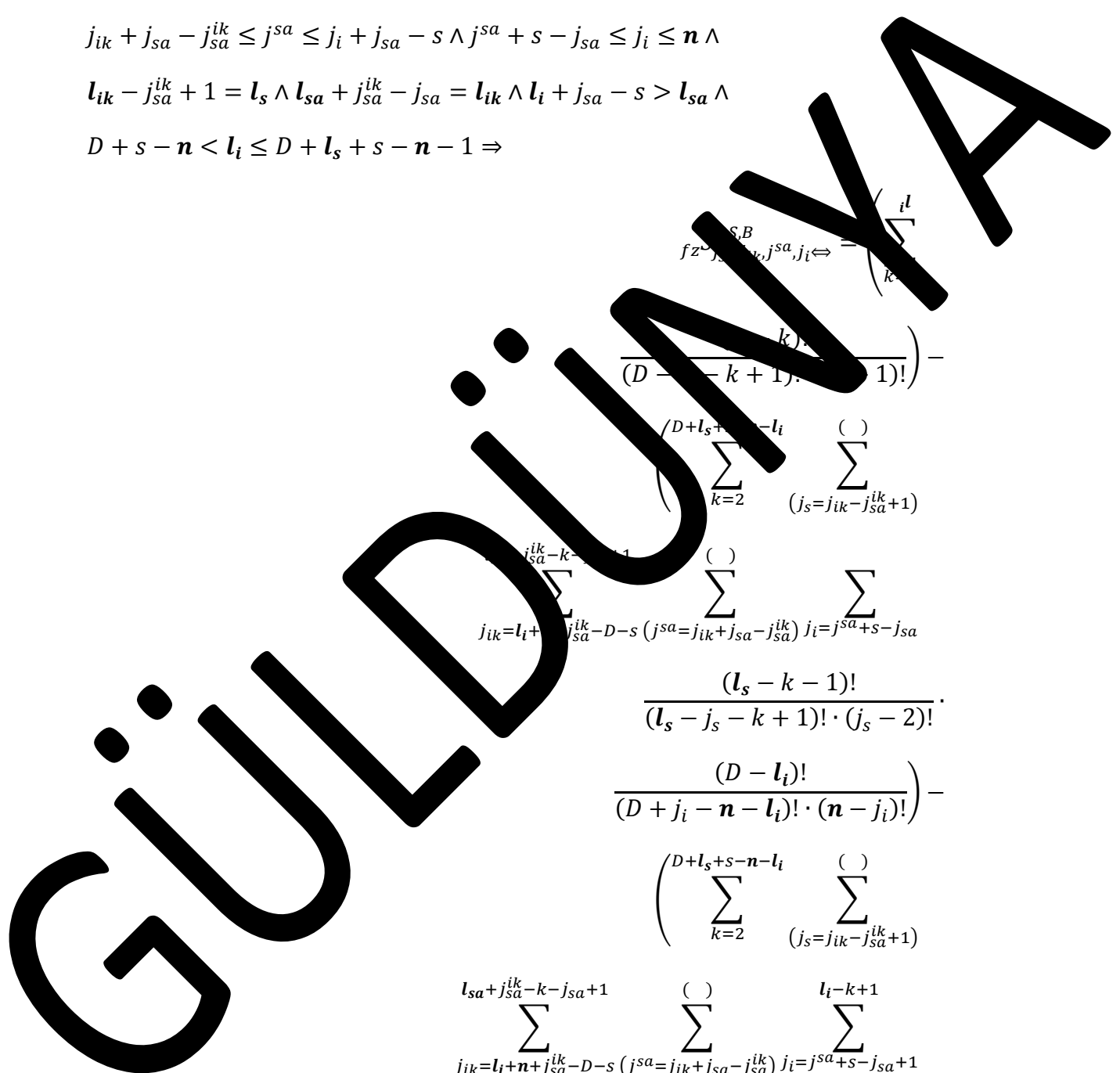
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \binom{()}{j_{sa}^{ik}-D-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

GÜLDENYA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - l_s)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - l_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{i^{l-1}} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_i-k} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge j_{sa}^{ik} + j_{sa}^{ik} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - 1 < l_i \leq D + j_i + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_i=j_{ik}+1)} \dots$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{(l_{ik}-k+1)} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{D}{i}} \sum_{(j_s=1)}^{\binom{D+l_s-n-1}{i}} \sum_{j_{ik}=j_{sa}^{ik}}^{\binom{l_i+j_{sa}-i^{l-s+1}}{j_{sa}^{ik}}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{\binom{l_i+j_{sa}-i^{l-s+1}}{j_{sa}^{ik}}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{\binom{l_i+j_{sa}-i^{l-s+1}}{j_{sa}^{ik}}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i \geq l_{ik} \wedge l_{sa} - j_{sa} - s > 0 \wedge$$

$$D + s - n < l_i \leq D + l_s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

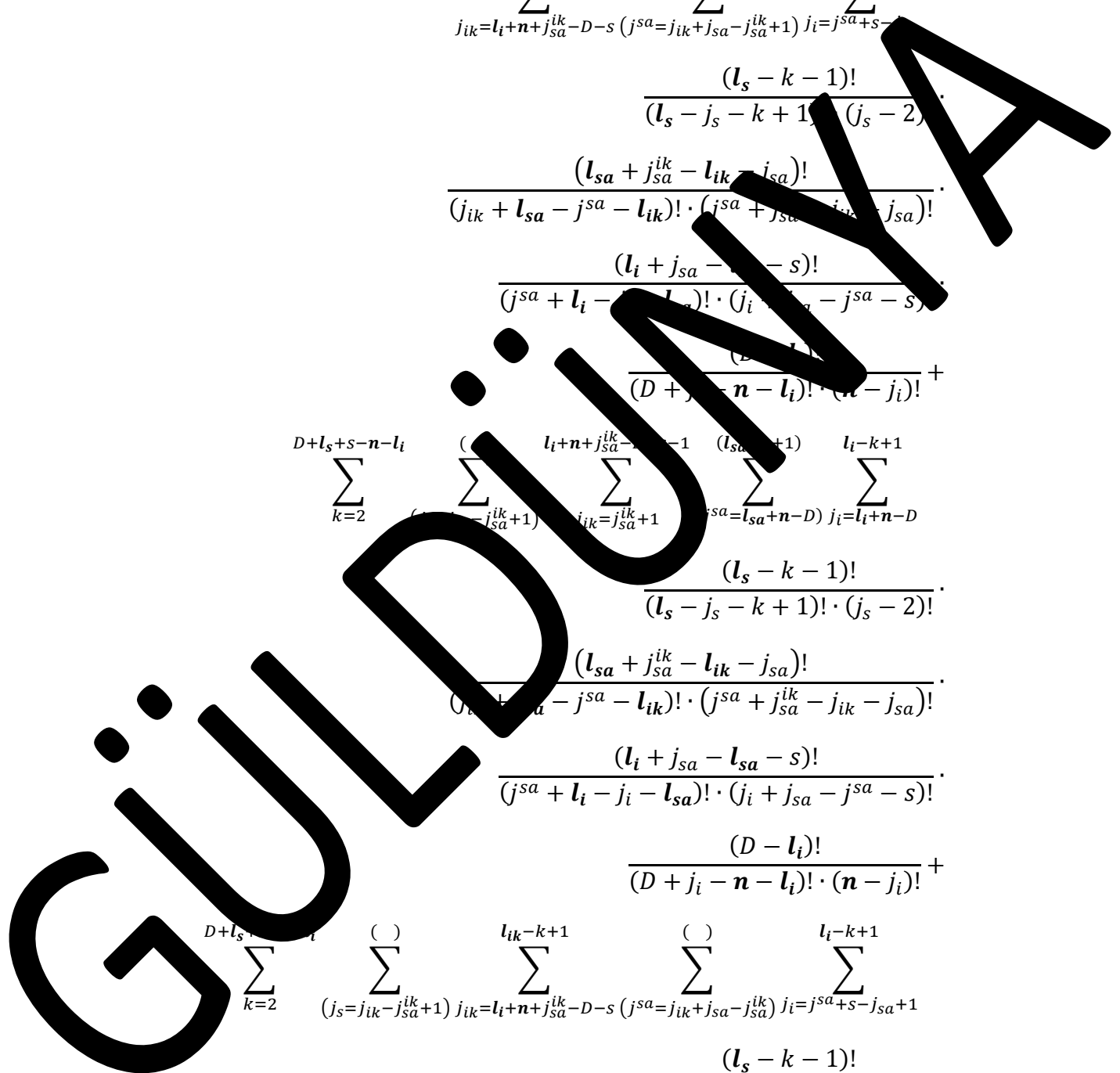
$$\left(\sum_{k=2}^{D+l_s+n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{\binom{D+l_s+n-l_i}{j_s}} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{\binom{D+l_s+n-l_i}{j_s}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{\binom{D+l_s+n-l_i}{j_s}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{j_{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{\binom{(\cdot)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} \sum_{l_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - l_s - k + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{j_s=1}^{i^{l-1}} \sum_{\binom{(\cdot)}{(j_s=1)}} \sum_{j_{ik}=j_{sa}^{ik}}^{i^{l+1}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq l_i \leq n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D - n + 1 < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_Z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDENMÄ

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - l_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{()} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} - j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_{sa}^{ik} \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa} + 1 = l_s \wedge l_i + j_{sa}^{ik} - j_{sa} > l_{sa} \wedge l_i + j_{sa} - s = l_{sa} \wedge D + s - n < l_i \wedge D + l_s - n < n \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{j_{sa}^{sa}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j_{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{j_{sa}^{sa}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

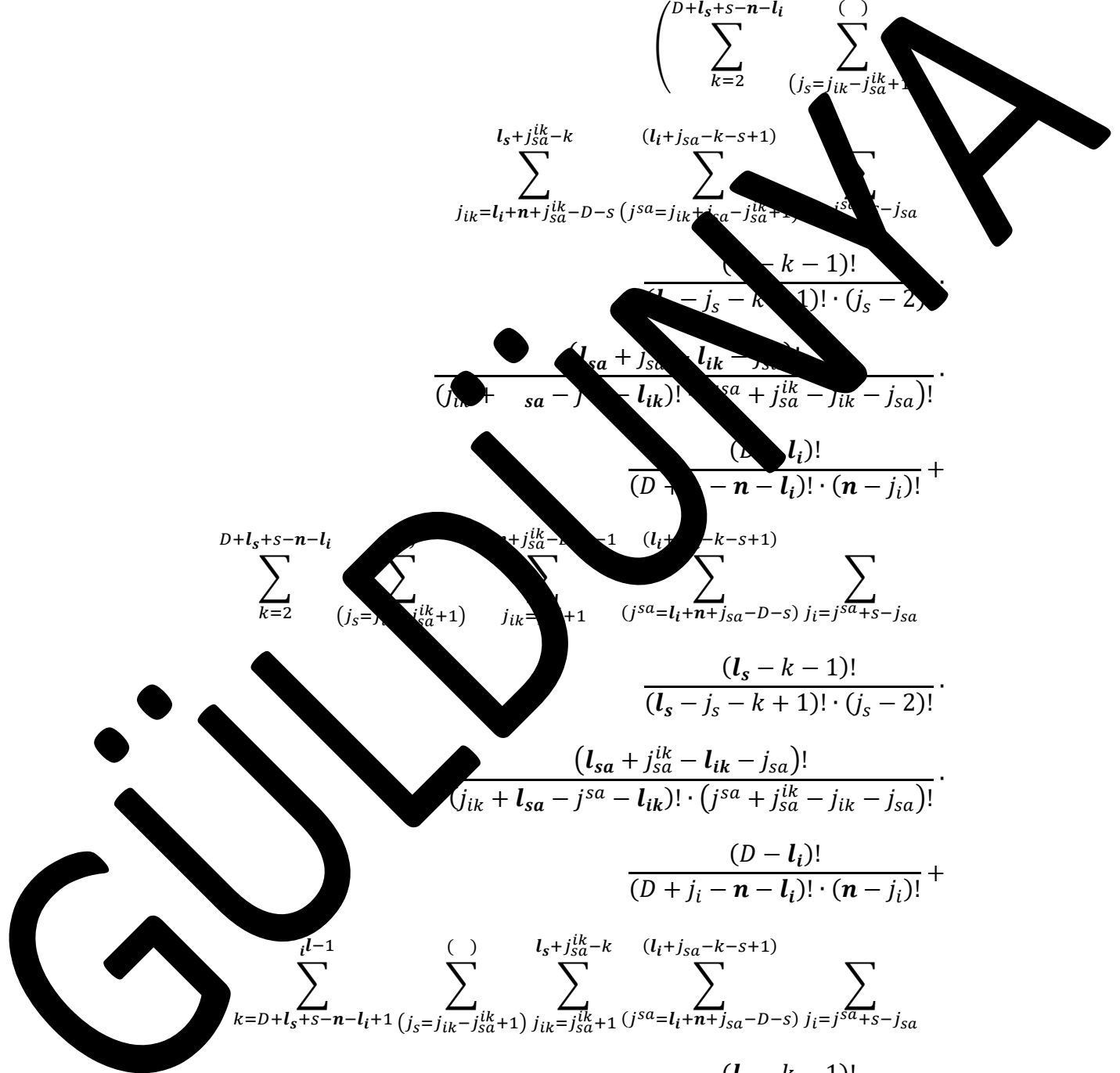
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}^{j_{sa}^{sa}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=1}^i \sum_{(j_s=1)}^{(l_i+j_{sa}-i^{l-s+1})} \sum_{j_{ik}=j_{sa}^{ik} (j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j^{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 =$$

$$f_z^{S^{DS,B}}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa+s}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

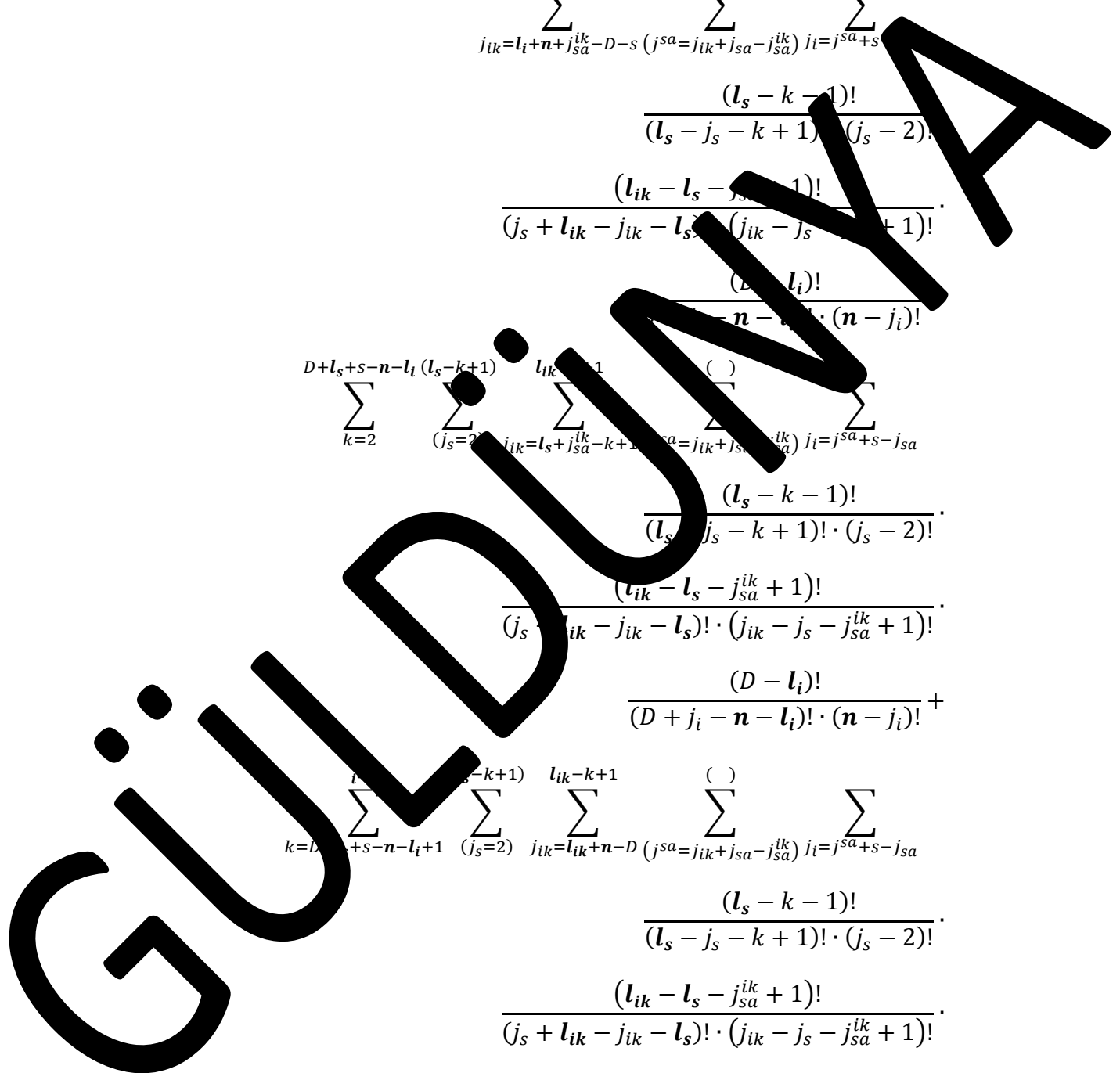
$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l_s-k+1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

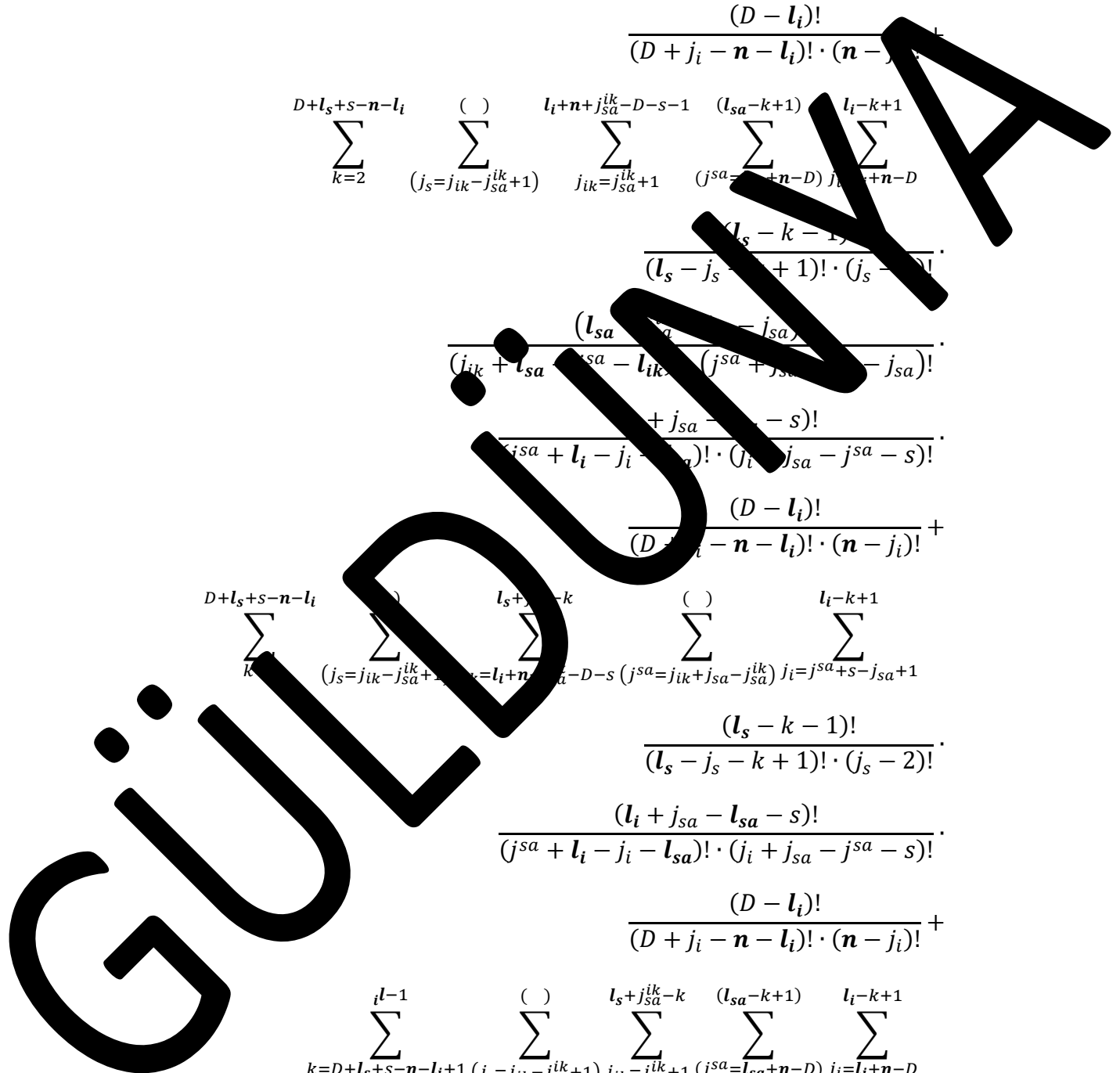
$$\sum_k^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_i-i^{l+1}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j^{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} < j^{sa} + j_{sa}^{ik} - j^{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j^{sa} + s - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j^{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - 1 - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}^{ik}-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+n+j_{sa}^{ik}-s-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

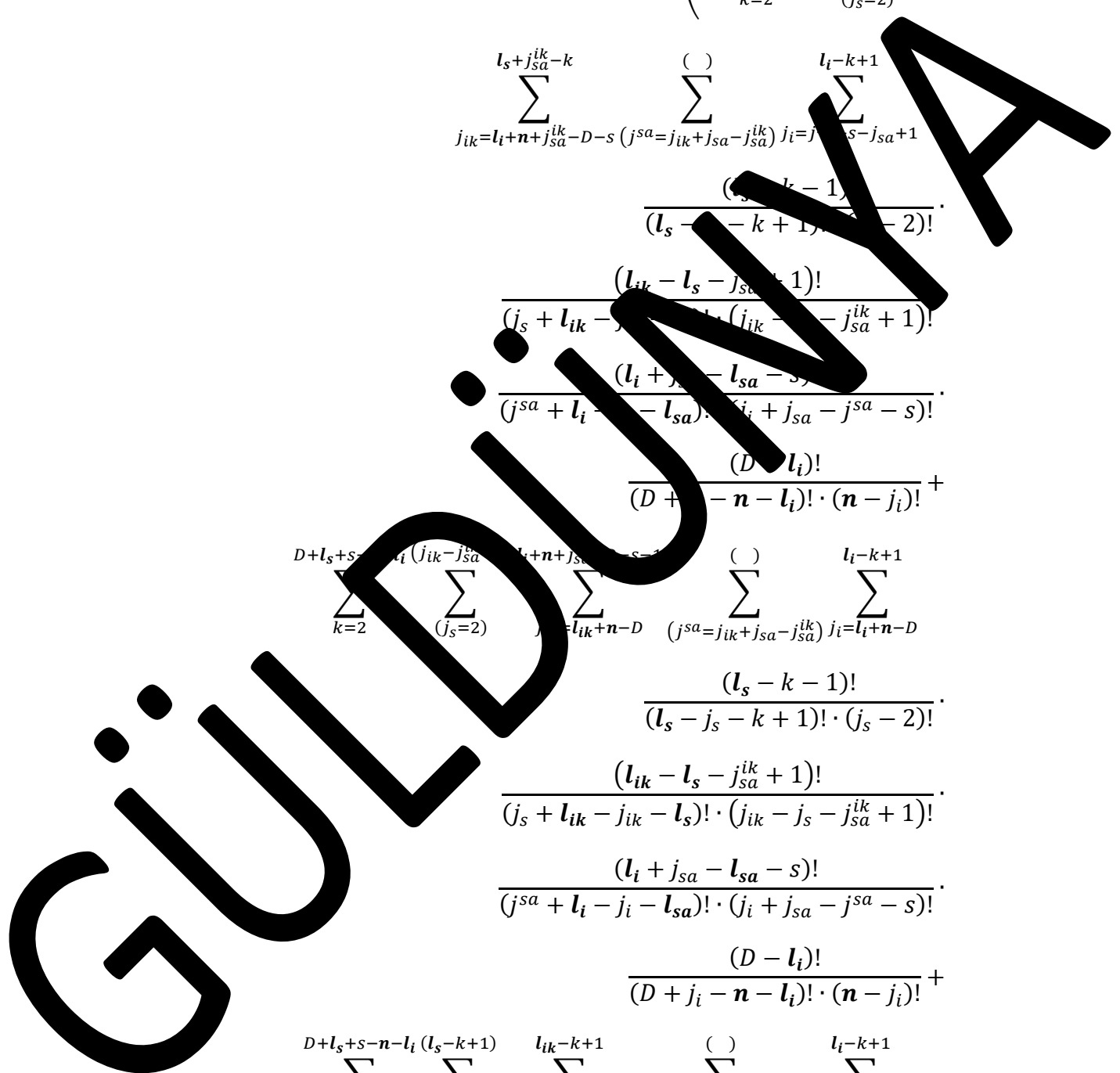
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}^{ik}-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_s+l_i-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=l_i+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$\left(\sum_{k=2}^{i} \frac{(l_s - k)!}{(D + l_s - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+l_i-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDÜNYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-1} \sum_{(l_{sa}-k+1)}^{(j^{sa}=l_i+n+j_{sa}^{ik}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-k+1} \sum_{(l_{sa}-k+1)}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{()}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_s-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{(l_i-1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$(D \geq n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \frac{\binom{D-n-k}{(D-n-k-1)! \cdot (n-1)!} \binom{D-l_i}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \binom{l_s+j_{sa}^{ik}-k}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \binom{l_s+j_{sa}^{ik}-k}{(l_{sa}-k+1)!} \binom{l_i-k+1}{(j_{ik}-j_s-j_{sa}^{ik}+1)!} \binom{l_i-k+1}{(j_{ik}-j_s-j_{sa}^{ik}+1)!}}{\binom{l_s+j_{sa}^{ik}-k}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \binom{l_s+j_{sa}^{ik}-k}{(l_{sa}-k+1)!} \binom{l_i-k+1}{(j_{ik}-j_s-j_{sa}^{ik}+1)!} \binom{l_i-k+1}{(j_{ik}-j_s-j_{sa}^{ik}+1)!}} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

GÜLDÜNYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=2)}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{k-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

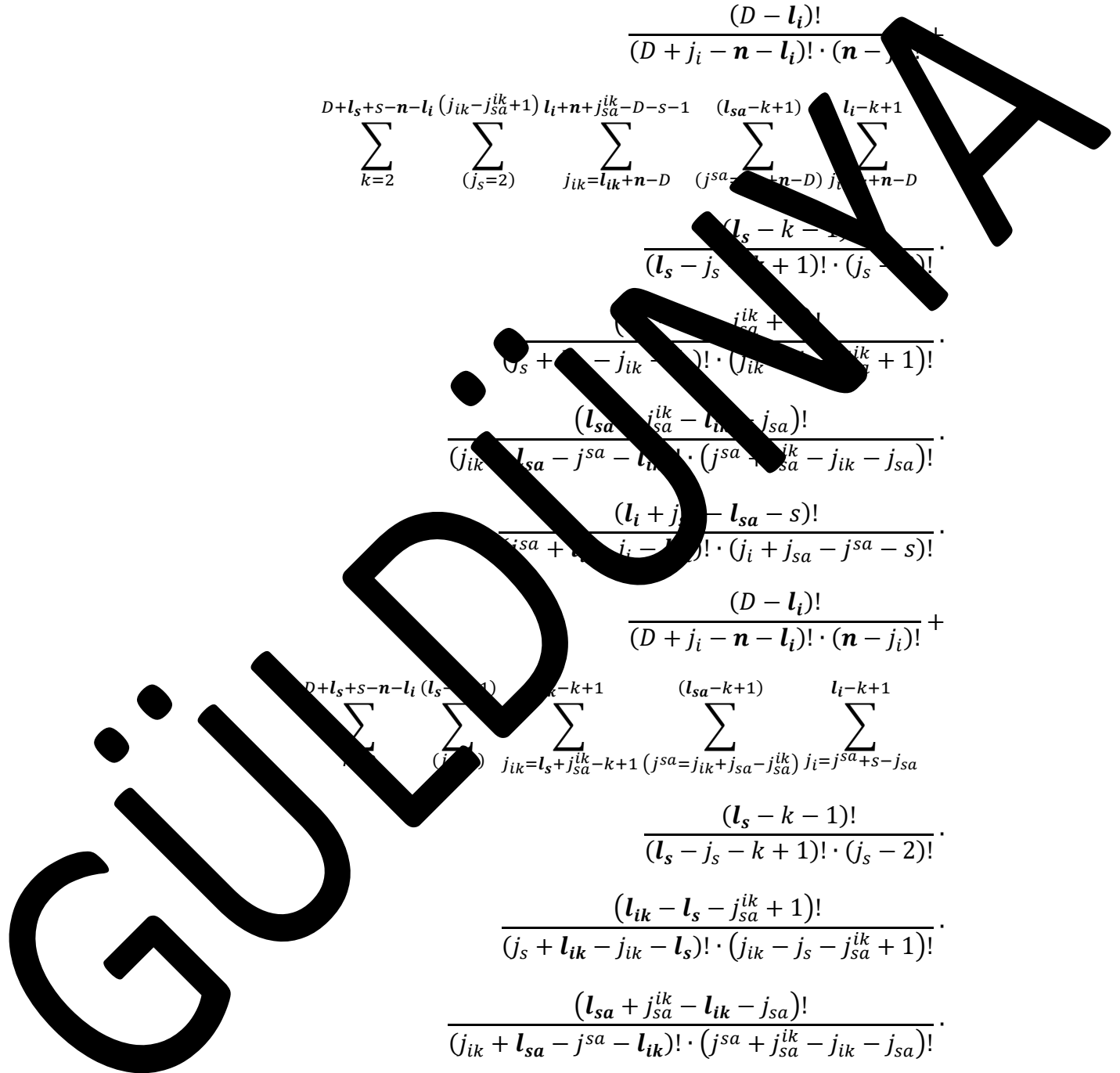
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(j_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i - l_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge l_i + j_{sa} - s > l_i \wedge$

$D + s - n < l_i \leq D + l_s - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_s=2)}^{(l_s-k-j_{sa}+2)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{(l_{sa}-k-j_{sa}+2)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=l}^{(l_s-1)} \sum_{(j_s=1)}^{(l_s-1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(l_s-1)} \sum_{j_i=l_i+n-D}^{l_i-l+1}
 \end{aligned}$$

GÜLDÜMÜYA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

GÜLDENYA

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{D+l_s+s-n-l_i} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_{ik}-j_{sa}^{ik}+2} \frac{(l_s - k)!}{(D + j_i - n - l_i)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\begin{aligned}
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l_i-1} \sum_{(j_s=2)}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=l_i+n-D}^{l_i-l+1} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_{ik}-k-j_{sa}^{ik}+2}{j_s=l_i+n-D-s+1} \right)$$

$$\sum_{j_{ik}=j_s}^{l_{ik}-1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{j_{sa}-j_{sa}^{ik}} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_i+n-D-s+1}^{l_{ik}-k-j_{sa}^{ik}+2} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}-k-s+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{j_{sa}-j_{sa}^{ik}} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=2}^{l_i+n-D-s} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}-k-s+1} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{j_{sa}-j_{sa}^{ik}} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}} \dots$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=i^l}^{(i^l)} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-i^l-s+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}} \dots$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - i^l + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D - i^l + 1 < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_s-k+1)} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{l_i-k+1} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

GÜLDENWA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

GÜLDÜNYA

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k - 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{l_s + l_i - l_{sa} - k + 1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i=j^{sa} + s - j_{sa}}^{(j_i = j^{sa} + s - j_{sa})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\sum_{k=2}^{D + l_s + s - n - l_i} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - k + 1)} \right) -$$

$$\sum_{j_{ik}=j_s + j_{sa}^{ik} - 1}^{(j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i=j^{sa} + s - j_{sa} + 1}^{(l_i - k + 1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l_i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \dots$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_i+j_{sa}-l_{sa}-s)!}{(l_i+j_{sa}-j_i-l_{sa})! \cdot (j_i-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq l_i \wedge n \wedge l_s - n + 1 \wedge$$

$$1 \leq j_s \leq j_i + j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_i + j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i, \dots, -D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}, \dots, -j_{sa}^{ik})} \sum_{j_i=j^{sa}+j_{sa}}$$

$$\frac{(l_s - k + 1)!}{(l_s - j_s + k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜMBA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=2)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D - n < n \wedge l_i \leq D - n - 1 \wedge$$

$$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$l_{sa} + j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq l_{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq j_{sa}^{ik} \leq l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D - s - 1 \leq l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa+s}-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-s+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa+s}-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa+s}-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDENWA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{sa}^{sa}+s-j_{sa})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l}^{(j_s=1)} \sum_{(j_s=1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-i^l-s+1} \sum_{(j_i=j_{sa}^{sa}+s-j_{sa})} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_s-j_{sa}^{ik})!}{(l_s-j_{ik}-j_{sa}^{ik}+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot \frac{(D-l_i)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i + j_{sa} - j_{sa}^{sa} + j_{sa} \leq j_i \leq n \wedge l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa}^{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge D + s - n < l_i \leq l_s + 1 - n + 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS,B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j_{sa}^{sa}+s-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_i-k+1)} \sum_{(j_i=j_s-j_{sa})}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i-k+1)} \sum_{j_i=l_i+n-D}$$

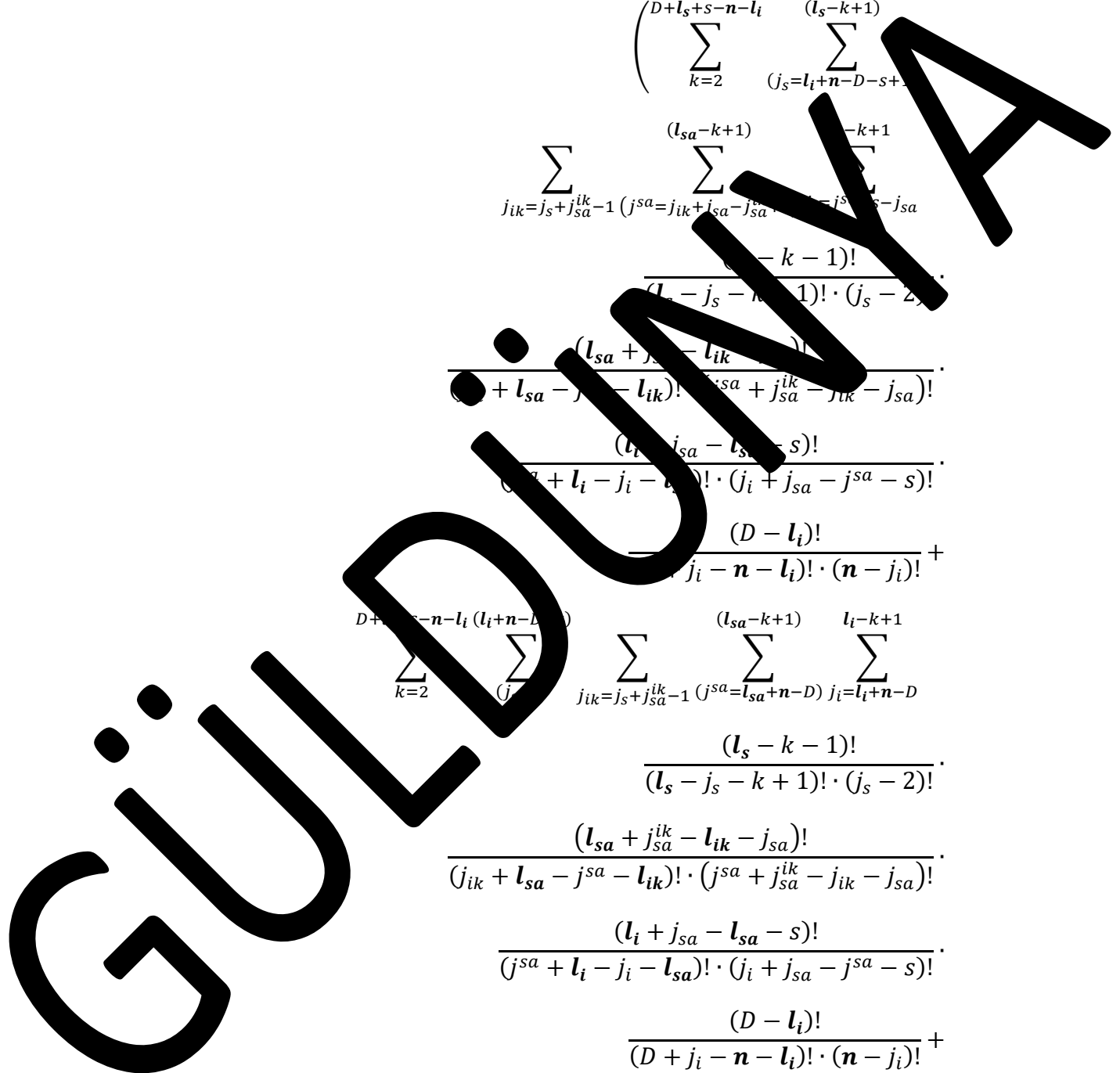
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$



$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=l_i+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{i^l} \sum_{(j_s=1)}^{(j_s-1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 - j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i-n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik-1} (j_{sa}=j_{ik}-j_{sa}^{ik})} \sum_{(j_i=j_{sa}+s-j_{sa})}^{(j_s)} \sum_{(j_s=l_i-n-D-s+1)}^{(l_s-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik-1} (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{l_{ik}-k+1} \sum_{(j_i=j_{sa}+s-j_{sa})}^{(j_s)} \sum_{(j_s=l_i+n-D-s+1)}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

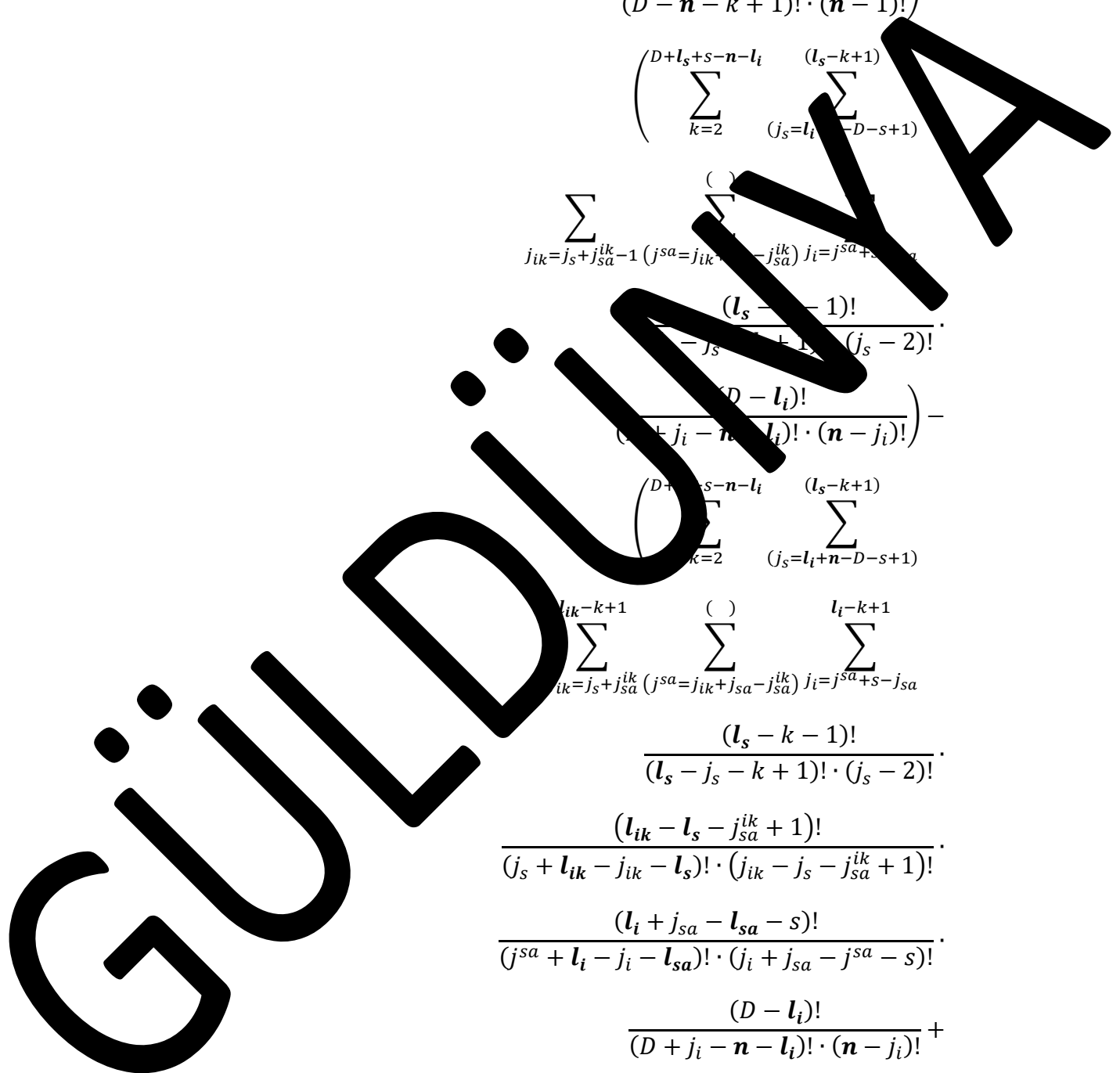
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_s)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}-j_{sa}+1}^{(-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k)} \sum_{j_{ik}=l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{ik}-i+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{(l_i-i+1)}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

GÜLDÜZMAYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{sa}, j_{sa}^{ik}, j_i} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - k + 1)! \cdot (j_s - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{(j_i=j^{sa}+s-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

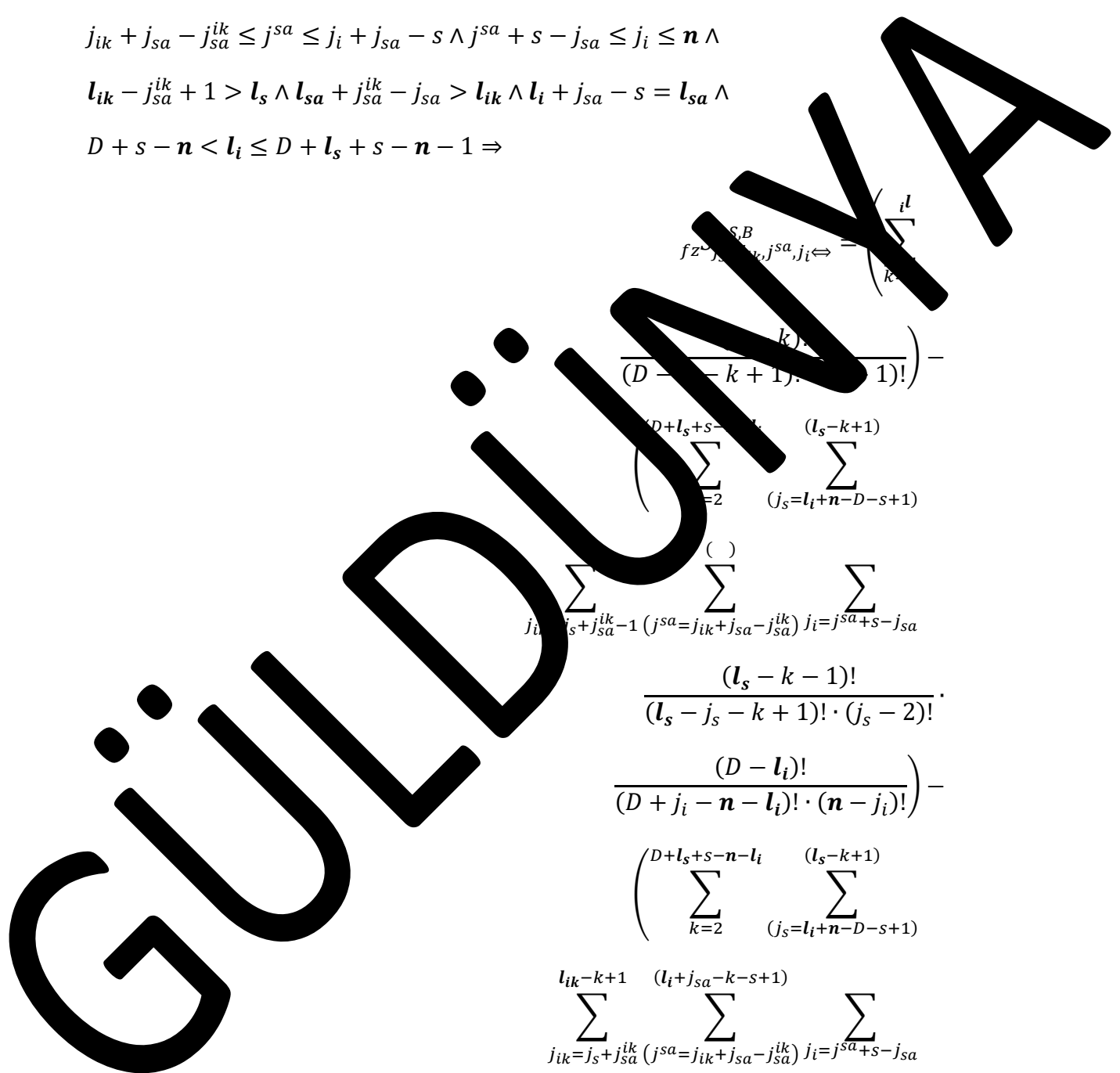
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_i+n-D-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{n-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-i-s+1)} \sum_{j_s=j^{sa}+s-j_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} > l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_s-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
 \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik+1})}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik+1}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik+1} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik+1} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}^{ik})} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

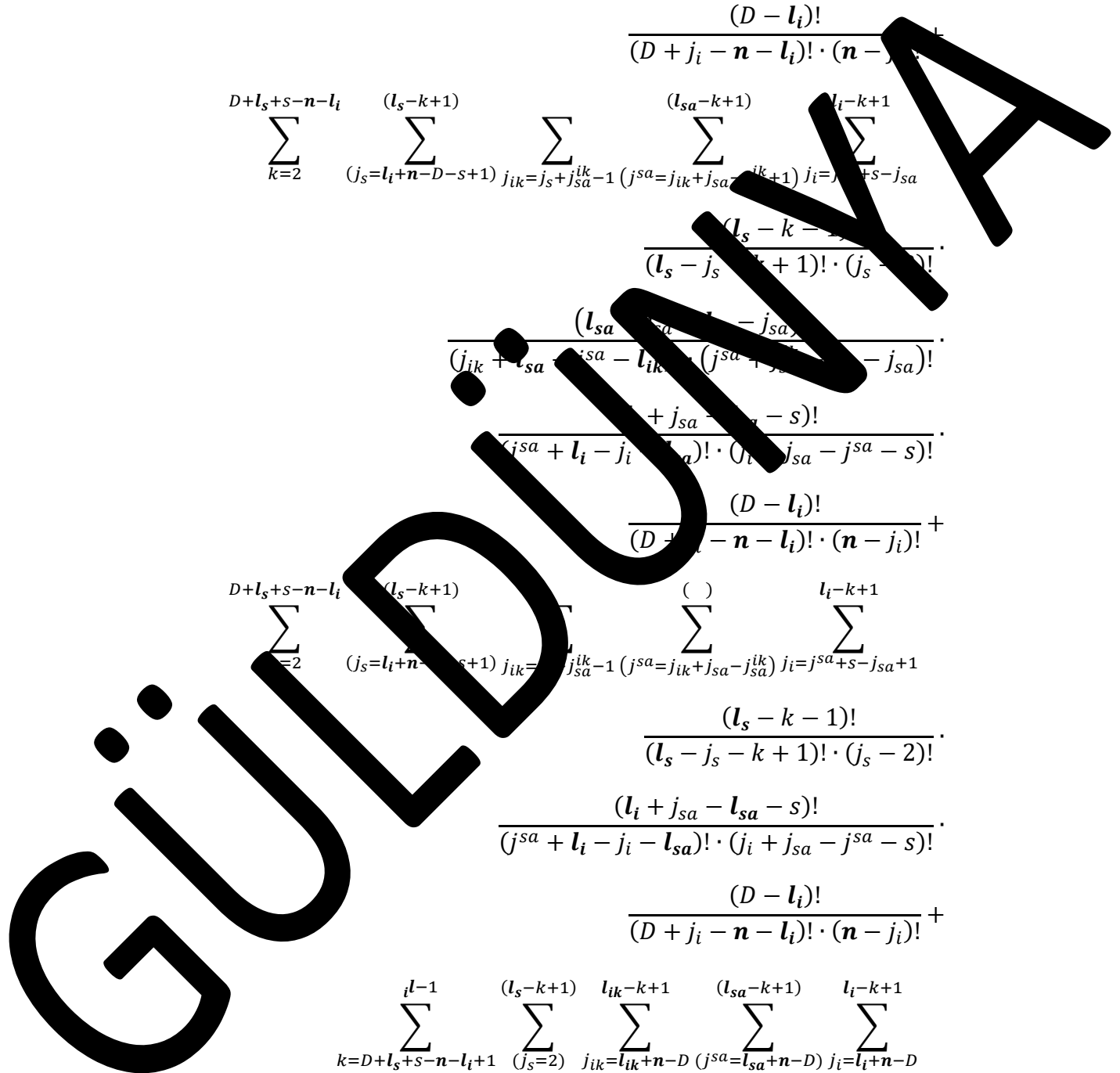
$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j_{sa}^{ik}=n-D)}^{(l_{sa}-i+1)} \sum_{j_i=n-D}^{l_i-i+1} \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{sa} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_i + j_{sa} - j_{sa} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} - l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - n < l_{sa} \leq D - l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}^{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\quad)}{j^{sa}=j_i+j_{sa}-s}} \sum_{\binom{(\quad)}{j_i=l_{sa}+n+s-D-j_{sa}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\sum_{k=2}^{\binom{D+l_s+s-n-l_i}{j_s}} \sum_{\binom{(\quad)}{j_s=k+1}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{\binom{(\quad)}{j^{sa}=j_i+j_{sa}-s}} \sum_{\binom{(\quad)}{j_i=l_{sa}+n+s-D-j_{sa}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{\binom{D+l_s+s-n-l_i}{j_s}} \sum_{\binom{(\quad)}{j_s=k+1}} \sum_{\binom{(\quad)}{j_s=k+1}} \sum_{\binom{(\quad)}{j^{sa}=j_i+j_{sa}-s}} \sum_{\binom{(\quad)}{j_i=l_{sa}+n+s-D-j_{sa}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{\binom{(\quad)}{j_s=j_{ik}-j_{sa}^{ik}+1}} \sum_{\binom{(\quad)}{j_{ik}=j_{sa}^{ik}+1}} \sum_{\binom{(\quad)}{j^{sa}=j_i+j_{sa}-s}} \sum_{\binom{(\quad)}{j_i=l_{sa}+n+s-D-j_{sa}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i-l_{sa}+1} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i \geq l_{ik} \wedge l_{sa} + j_{sa} - s = l_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_{sa} + j_{sa} - n \Rightarrow$$

$$f_Z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

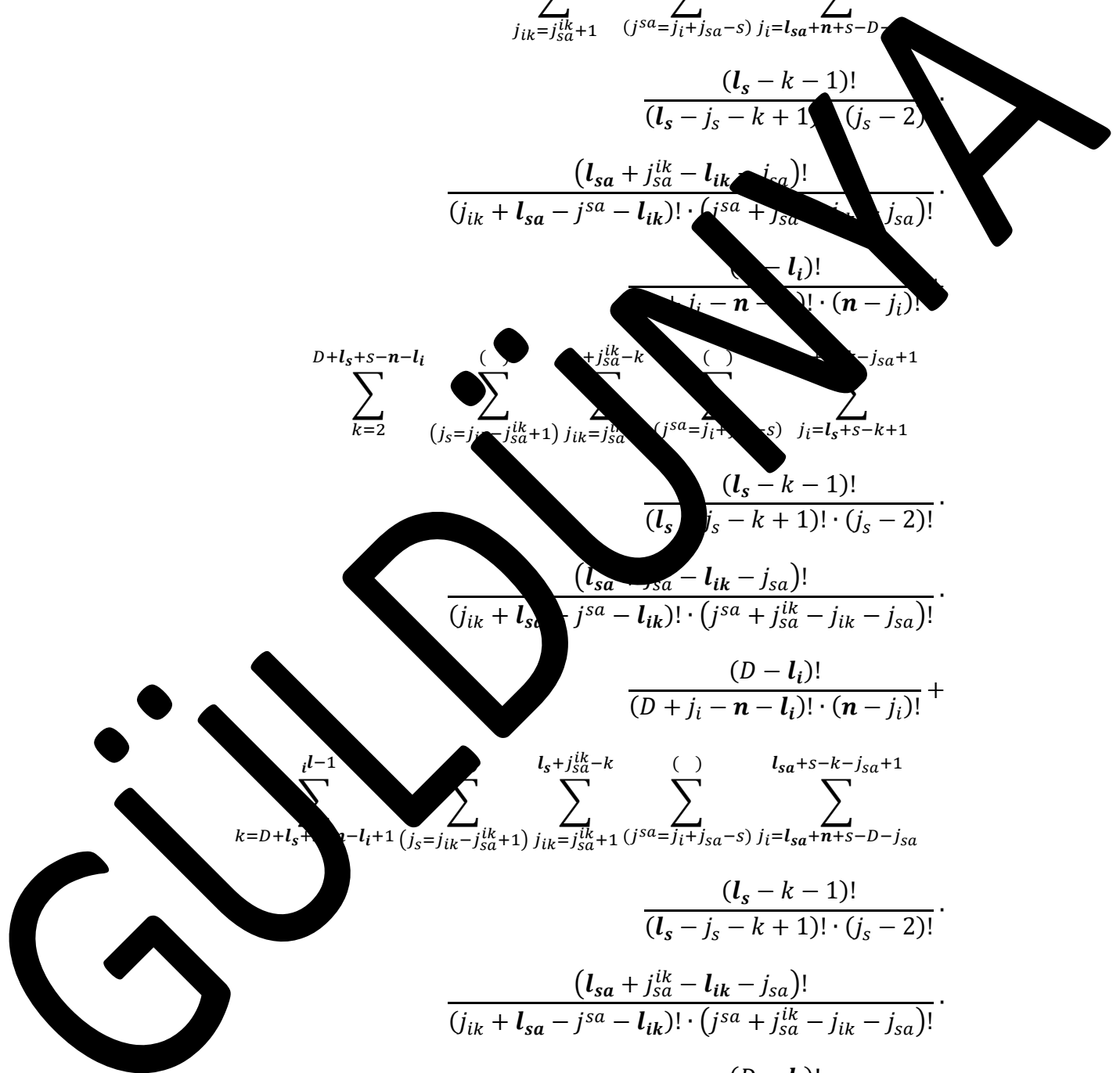
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D-j_s+k}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-k} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_s+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D-j_s}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i} \binom{()}{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D-j_s}^{l_{sa}+s-i-j_{sa}+1}
 \end{aligned}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \left(\sum_{(j_s=j_{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{l_s+s-k} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{()} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

GÜLDÜZMÜNYA

$$\begin{aligned}
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{i-1} \sum_{(j_s=1)}^{\binom{(\cdot)}{}} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+j_{sa}-s}} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i-j_{sa}+1} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_2=2}^{(D+l_s+s-n-l_i)} \binom{D+l_s+s-n-l_i}{j_2} \sum_{j_{ik}=j_{sa}+j_2}^{(j_{sa}+j_2)} \sum_{j_{sa}=j_i+j_{sa}-s}^{(j_{sa}+j_2-j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{(l_s+s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{k=2}^{(D+l_s+s-n-l_i)(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_s=2}^{(j_s-2)} \sum_{j_{ik}=l_{ik}+n-D}^{(j_{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j_{sa}=j_i+j_{sa}-s}^{(j_{sa}+j_2-j_{sa}-s)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{(l_s+s-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

GÜLDÜMÜYA

$$\sum_{k=2}^{D+l_s+s-n-l_i(l_s-k+1)} \sum_{(j_s=2)}^{l_{ik}-k+1} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{(j_{ik}-j_{sa}^{ik})+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

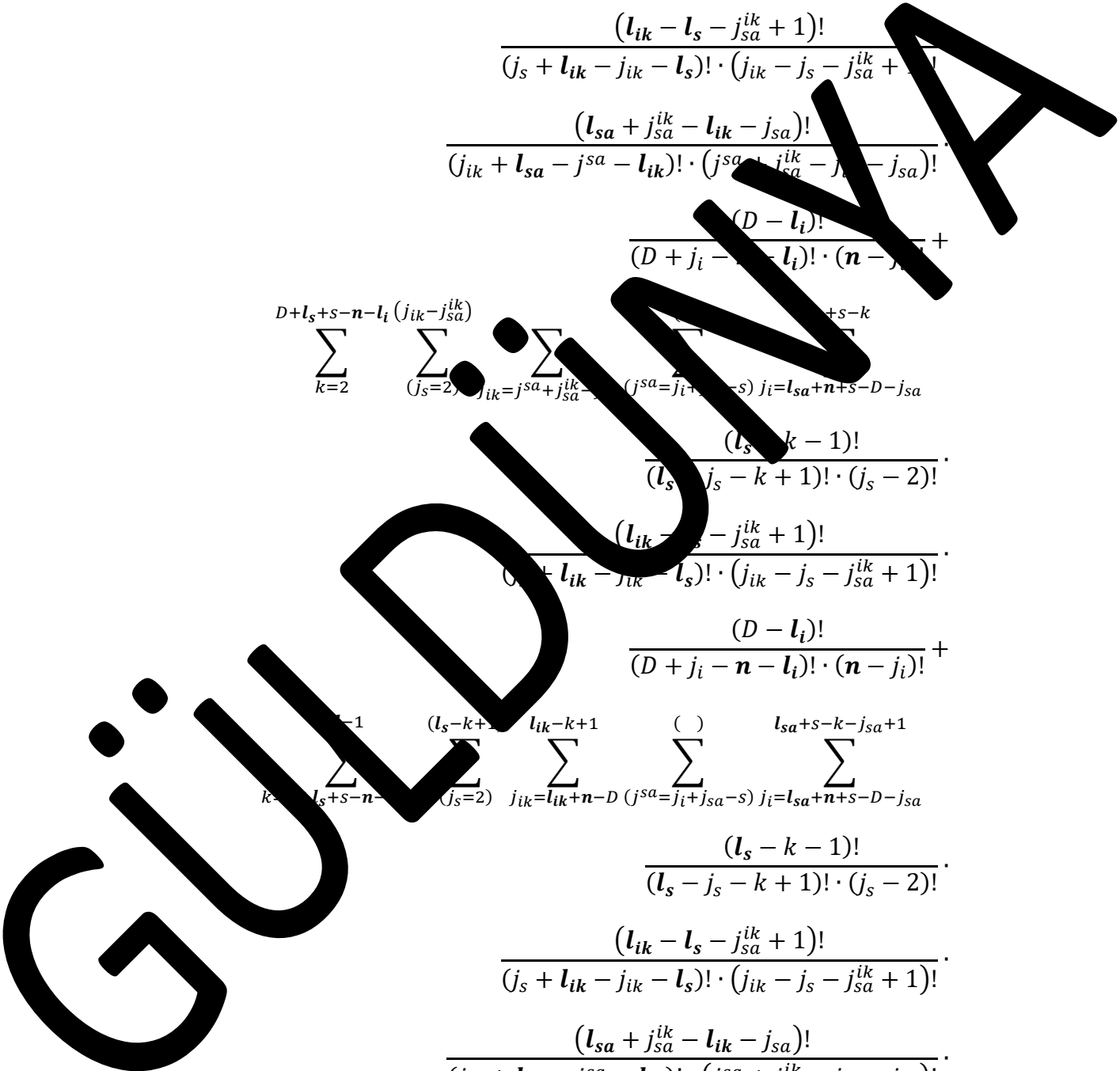
$$\sum_{k=1}^{l_s-k+1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i-j_{sa}+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq j^{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa}^{ik} - j_{sa} = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

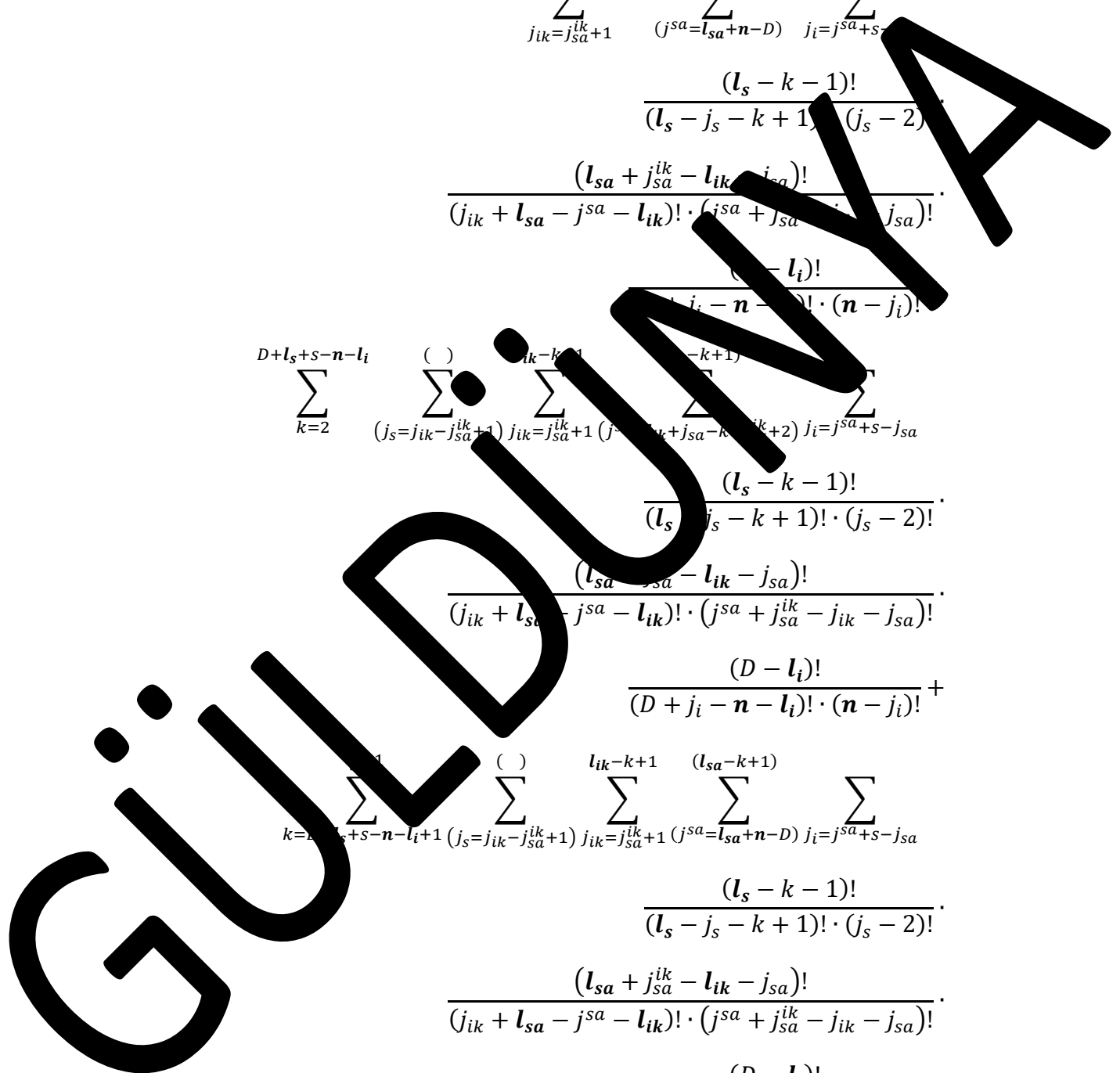
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{ik}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{ik}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{l_s+s-n-l_i+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(l_{sa}-l+1)}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

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$$\left(\sum_{k=2}^{i^l} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right) -$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right) -$$

$$\sum_{j_{ik}=j_{sa}^{lk}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l-1}+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l-1}+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{l}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s+j_{sa}}{j_s=j_{ik}-j_{sa}^{ik}+1} \binom{l_s+j_{sa}}{j_i=j_{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{j_{ik}-j_{sa}^{ik}}{j_s=2} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i_l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_s-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i_l}^{(i_l)} \sum_{(j_s=1)}^{(i_l-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq i_l < n \wedge l_s \leq D - i_l + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$i_l < n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\begin{aligned}
 & \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(n-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right. \\
 & \sum_{j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \right. \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right)
 \end{aligned}$$

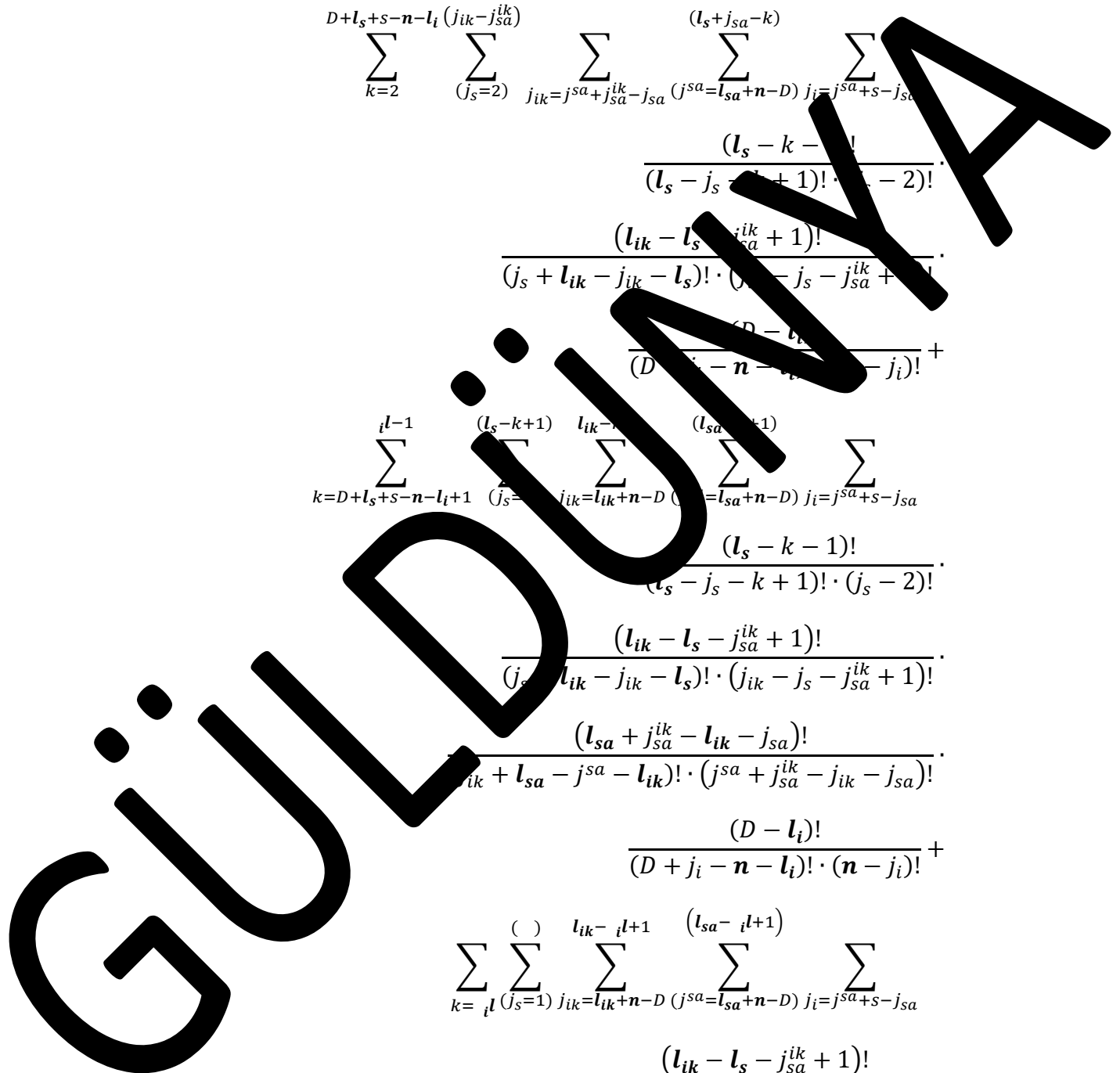
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$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$f_{z^s, B}^{j_s, j_{sa}, j_{sa}^{ik}, j_i} \Leftrightarrow \binom{l}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - k + 1)! \cdot (j_s - 1)!}$$

$$\sum_{k=2}^{D+l_s+n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_{sa}+n+l_s-k+1}^{l_{ik}-k+1} \binom{()}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

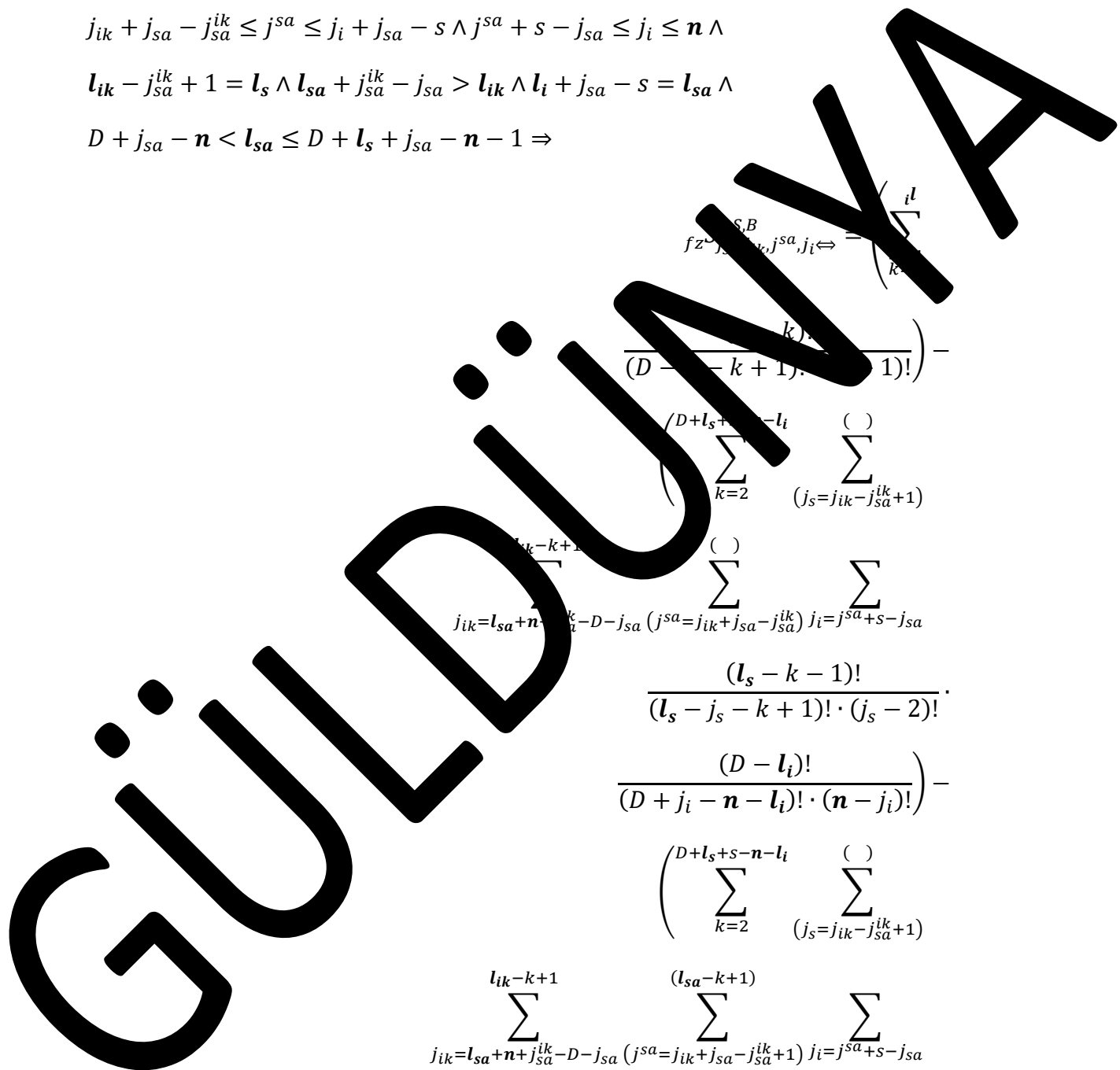
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_{sa}+n+l_s-k+1}^{l_{ik}-k+1} \binom{(l_{sa}-k+1)}{\sum_{j_i=j^{sa}+s-j_{sa}}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-j_{sa}^{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D - n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - k - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - k - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D + n < n \wedge l_i \leq D - n - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa}^{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq j_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - s \leq l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=2)}^{(k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k-j_{sa}+1}^{l_s+j_{sa}^{ik}-k-j_{sa}+1} \left(\sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa}+s-j_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZMAYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-l_i)! \cdot (n-j_i)!} + \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-i^l-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-j_s-1)!}{(l_s-j_{ik}-j_{sa}^{ik}+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq l_{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - j_{sa}^{ik} + j_{sa} \leq j_i \leq n \wedge l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge D + j_{sa} - n < l_{sa} < D + l_s - j_s - n - 1 \Rightarrow$$

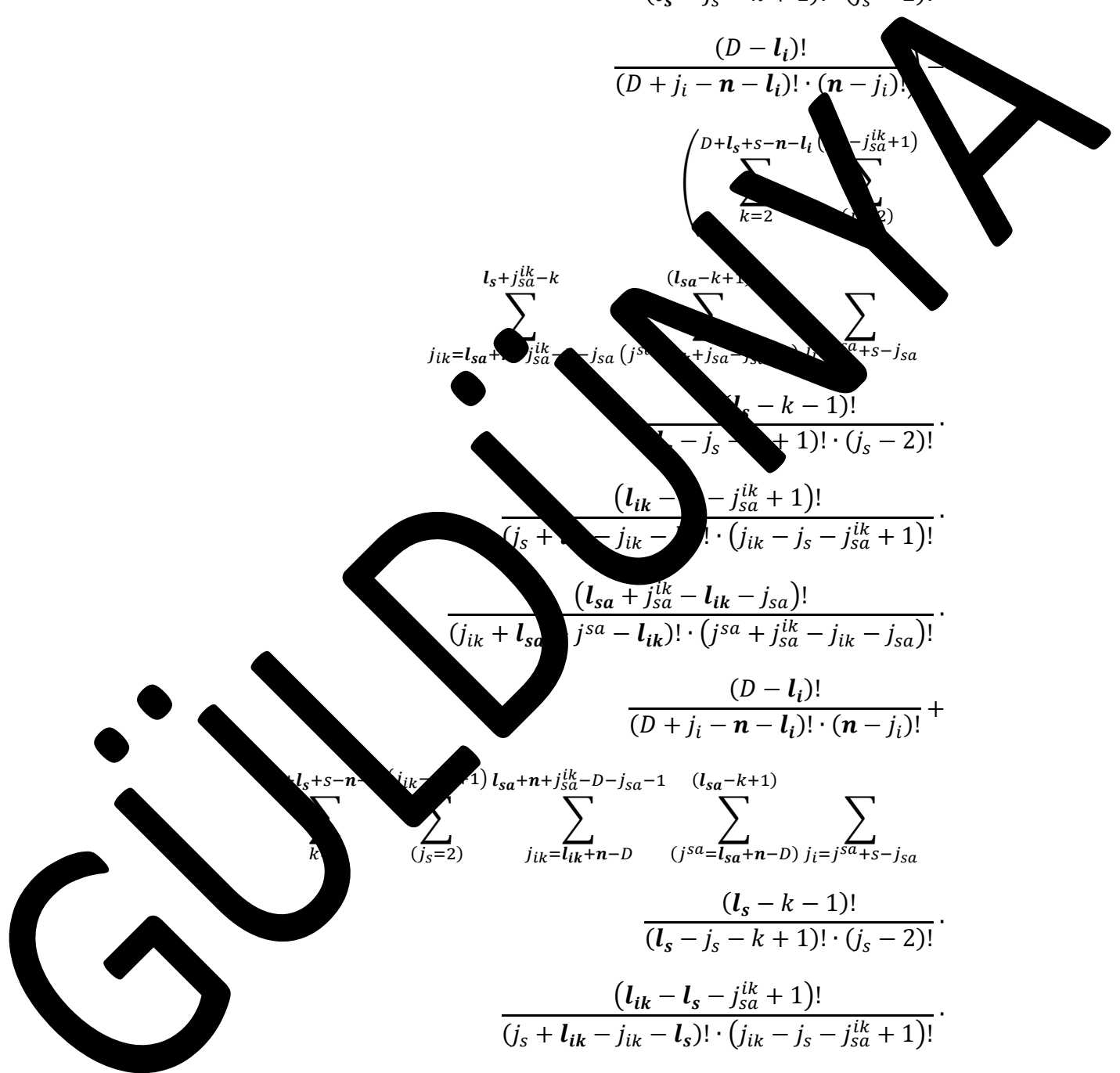
$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{(l_s+s-n-j_{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-k}^{l_{ik}+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

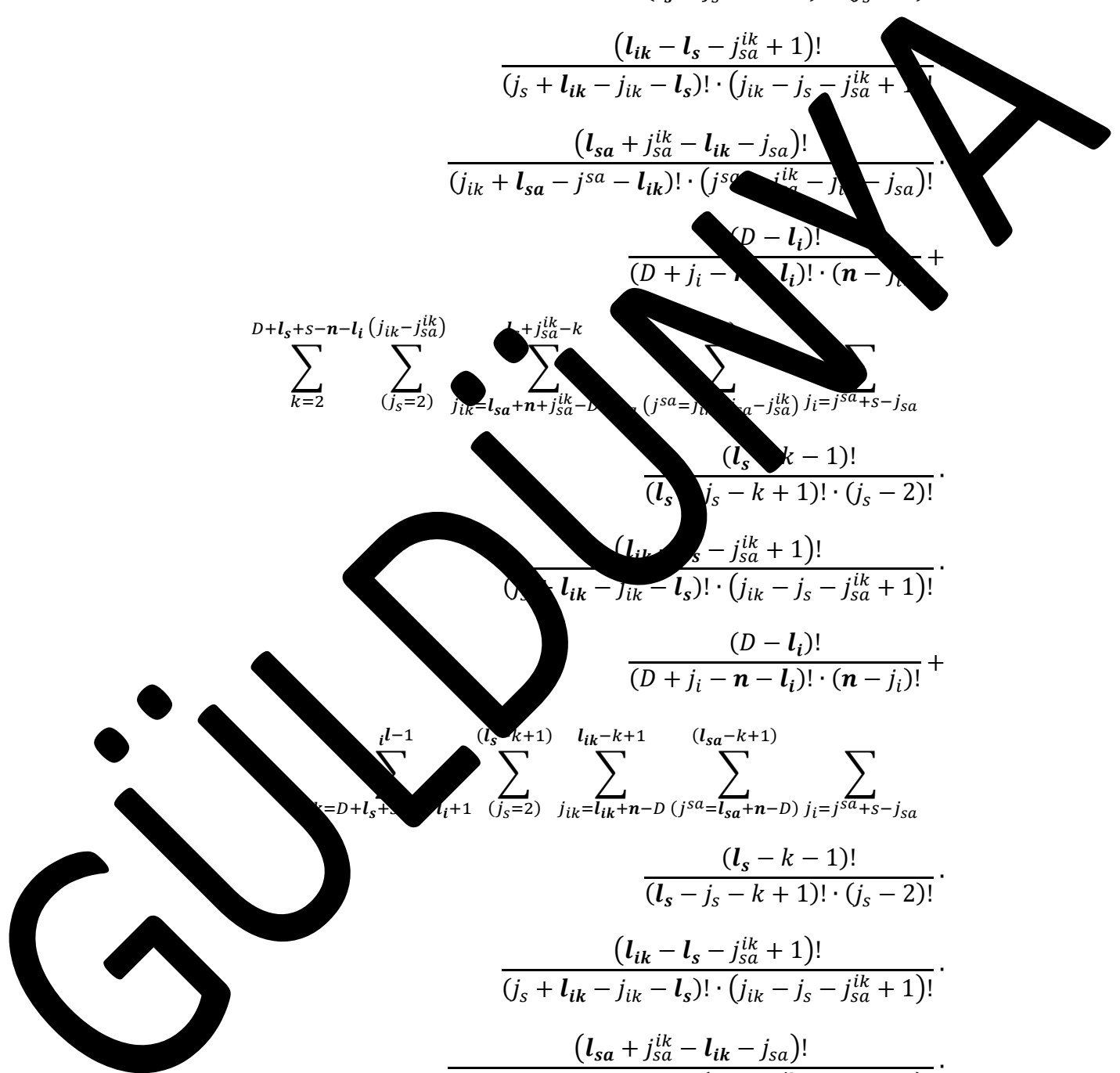
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa+s}-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=i}^{\binom{)}{l}} \sum_{(j_s=1)}^{l_{ik}-i^{l+1}} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s \leq j_i \leq j_{sa}^{ik} + s - 1 \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}^{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg| -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\binom{)}{l}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \Bigg| -$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_s - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{(l_s - l_i - j_{sa}^{ik} + 2)} \sum_{(j_s=2)}^{(l_{sa}-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-l+1)} \sum_{j_i=j_{sa}+s-j_{sa}}
 \end{aligned}$$

GÜLÜMNA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

GÜLDÜMÜYA

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}} \left(\sum_{k=2}^{i^l} \frac{(l_s - k)!}{(D + j_i - n - k + 1)! \cdot (n - 1)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \left(\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(i)} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s-k}{j_s=l_{sa}+n-D-j_{sa}+1} \sum_{j_{ik}=j_{sa}-1}^{j_{sa}-1} \sum_{j_{ik}+j_{sa}-j_{sa}}^{j_{sa}-j_{sa}} \sum_{j_i+s-j_{sa}}^{j_{sa}-j_{sa}} \frac{(j_{sa}-k-1)!}{(j_s-j_{sa}+1)! \cdot (j_s-2)!} \left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \binom{D+l_s+s-n-l_i}{k=2} \binom{l_s-k-1}{j_s=l_{sa}+n-D-j_{sa}+1} \sum_{j_{ik}=j_s+j_{sa}^{ik}-k-j_{sa}+1}^{j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+s-j_{sa}}^{j_{sa}+s-j_{sa}}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i_l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \binom{()}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{i_l-1} \sum_{(j_s=1)}^{l_{sa}+j_{sa}^{ik}-j_{sa}+1} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-j_{sa}+1} \binom{()}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$D \geq n \wedge n \wedge l_s \leq D - l_i + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D - l_i + 1 < n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i_l} \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+l_i-n-l_i)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!} \right) \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!}
 \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

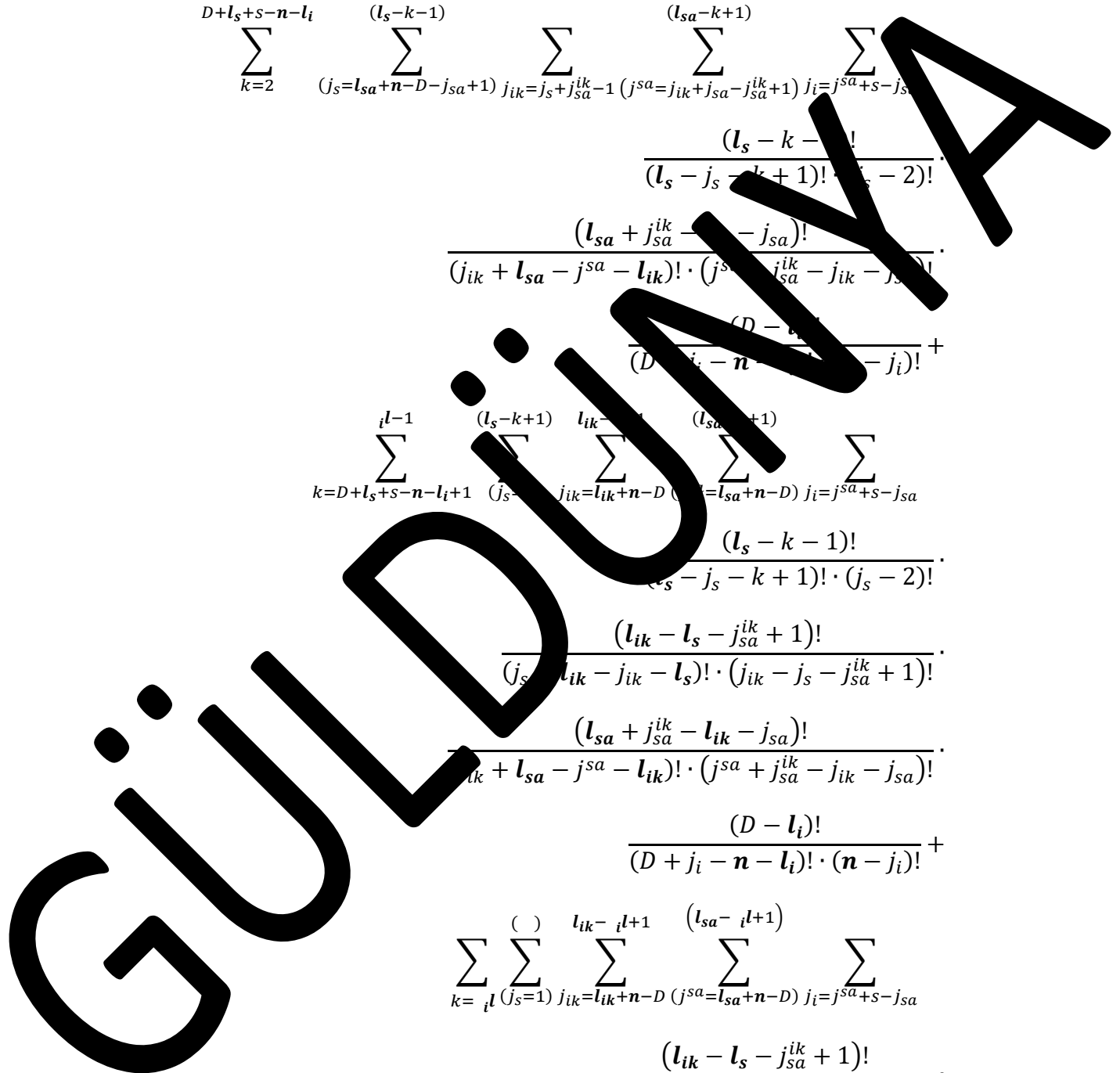
$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_{ik} + l_{sa} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$f^{z,j_s^{s,B},j_{sa}^{ik},j_i} \Leftrightarrow \binom{l}{k}$$

$$\frac{(D - l_i - k + 1)!}{(D - l_i - k + 1)! \cdot (1)!} -$$

$$\sum_{k=2}^{D+l_s+l_i-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+s+n-D-j_{sa}^{ik}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

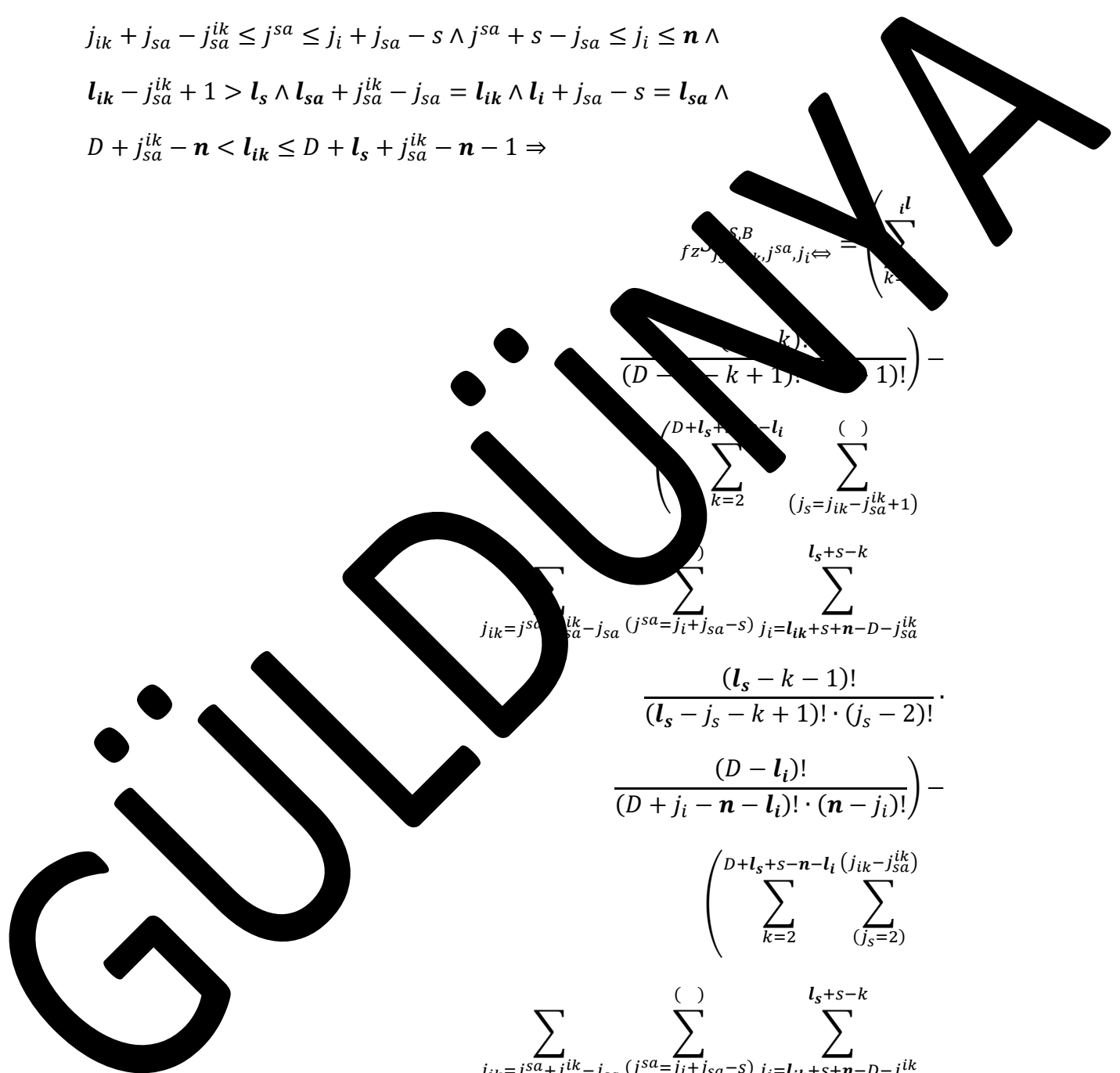
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2} (j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+s+n-D-j_{sa}^{ik}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_s+s-k+1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-i^l-j_{sa}^{ik}+1} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i l \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{(j_s)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}^{ik})} \sum_{(j_{sa}=D-j_{sa}^{ik})} \sum_{(j_i=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa})}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}$$

$$\sum_{(j_{sa}=j_{sa}^{ik}-j_{sa})}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{(j_i=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{(j_i=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(i^l-1)} \sum_{(j_s=1)}^{(i^l-k+1)} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(i^l-j_{sa}-i^l-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D + n < n \wedge l_i \leq D - n - 1 \wedge$$

$$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$l_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq l_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_{ik} + j_{sa} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - 1 \leq l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZMAYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)}^{l_{ik}-i^l+1} \sum_{j_{ik}=l_{ik}+n-D}^{()} \sum_{j_{sa}+j_{sa}-j_{sa}^{ik}}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik})!}{(D - l_i)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - j_{sa}^{ik} \wedge j_{sa} + j_{sa}^{ik} - j_{sa} \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s - j_{sa}^{ik} \wedge n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{(\quad)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2}^{l_i-k+1}} \binom{l_s-k+1}{\sum_{j_s=2}^{D-j_{sa}^{ik}+1}}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{(\quad)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{\binom{D+l_s+s-n-l_i}{j_s=2}} \binom{l_{ik}-k+1}{\sum_{j_{sa}=2}^{D-j_{sa}^{ik}}} \sum_{j_{ik}=l_{ik}+n-D} \sum_{\binom{(\quad)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{\binom{l_s-k+1}{j_s=2}} \sum_{j_{ik}=l_{ik}+n-D} \sum_{\binom{(\quad)}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDÜŞMAYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}+s-j_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_{sa}^{ik}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s > l_i \wedge$$

$$l_i > D + l_{sa} + s - n - j_s$$

$$f_Z^{DS,B}{}_{j_s, j_{ik}, j_{sa}, j_i} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - j_{sa} \leq j_{ik} < n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$$

$$l_i > D + l_s + s - n - 1 \Rightarrow$$

$$zS_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{l_i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} = l_s$

$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$

$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \left(\sum_{k=2}^i \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$

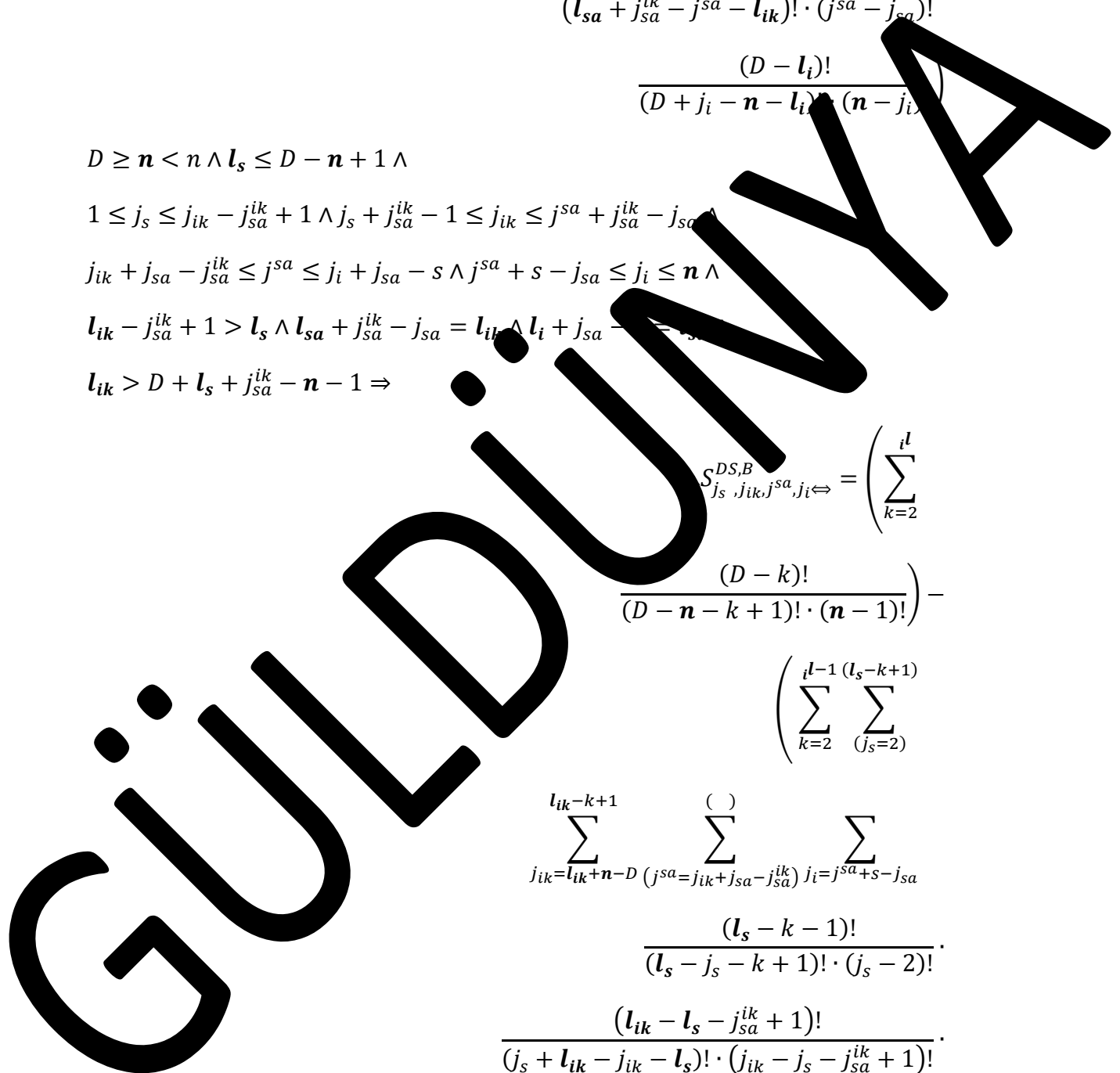
$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - n - 1 \Rightarrow$$

$$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-l+1)} \sum_{j_i=l_i+n-D}^{l_i-l+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - j_{sa} - s)!}{(j^{sa} + l_i - j_{sa})! \cdot (j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D + j_i - n - l_i)!}{(n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_{sa}^{ik} + s - j_{sa} \leq j_i \leq j_{sa} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{()} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{n+1} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{(j_s)} \sum_{j_{sa}=j_s+1}^{(j_s)} \sum_{j_i=j^{sa}+l_{ik}-l_{sa}}^{(j_s)} \sum_{j_i+l_{sa}-l_{sa}}^{(j_s)} \sum_{j_i+l_{sa}+n+s-D-j_{sa}}^{(j_s)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{D-n+1} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{(j_s)}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_{ik}+s-k-j_{sa}^{ik}+1}^{j_i=l_{ik}+n+s-D-j_{sa}^{ik}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{\binom{(\cdot)}{j_s=j_{ik}+l_s-l_{ik}}}$

$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_s+s-k}^{j_i=l_s+n+s-D-1}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{l_i=n-D}^{l_{sa}+s-k-j_s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} < n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j_i + j_{sa} - s = \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(n-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$

$$\sum_{j_i = l_{sa} + n + s - D - j_{sa}}^{l_{ik} + s - k - j_{sa}^{ik} + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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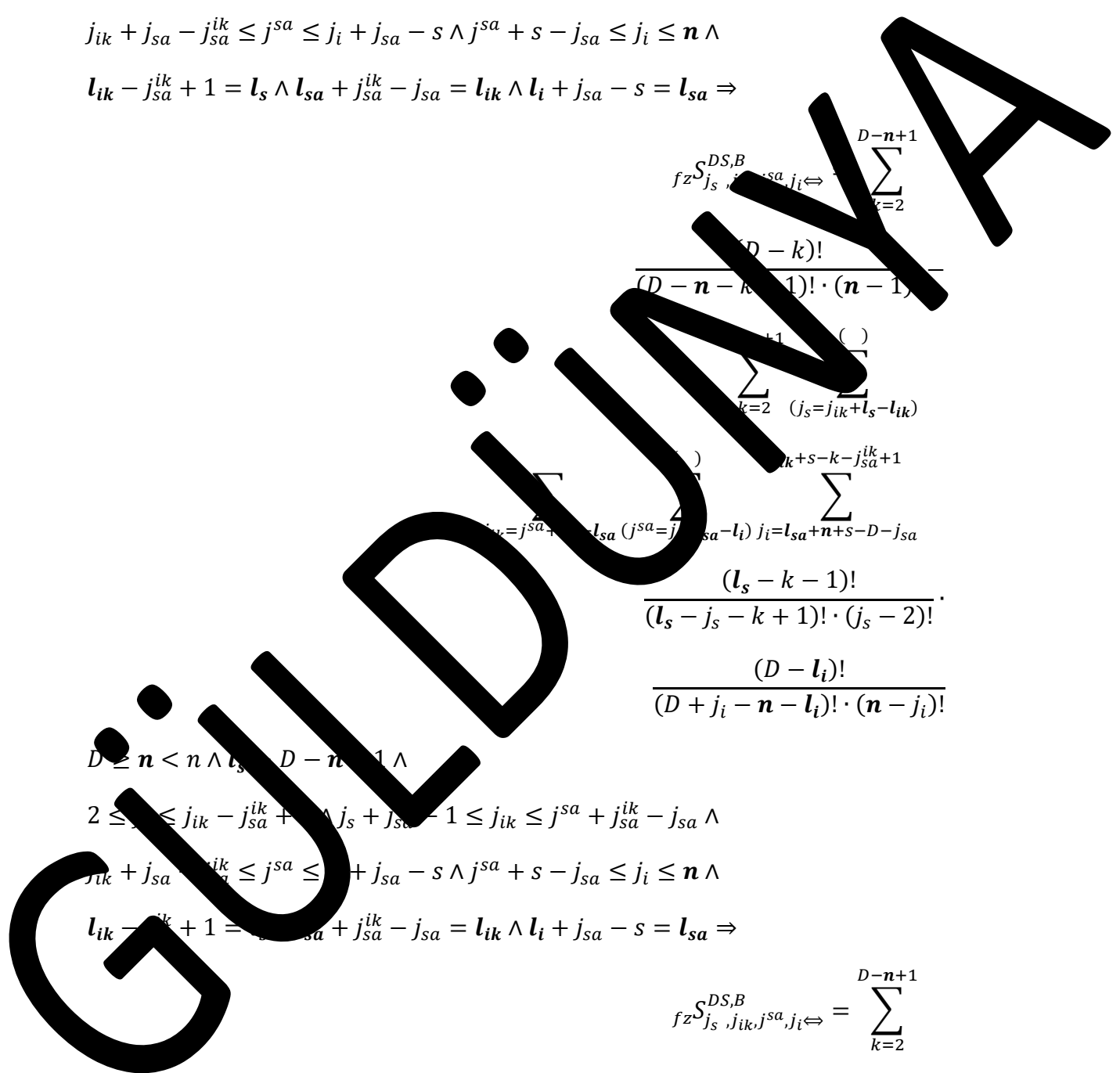
$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$



$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{\binom{(\cdot)}{j_s=j_{ik}+l_s-l_{ik}}}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{(\cdot)}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{j_i=l_{ik}+n+s-D-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{ik}+s-D-j_{sa}^{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \sum_{j^{sa}=j_i+l_{sa}-l_i}^{()} \sum_{j_i=l_s+n+s-D-1}^{l_i-k+1} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(j_i-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \sum_{j^{sa}=j_i+l_{sa}-l_i}^{()} \sum_{j_i=l_s+n+s-D-1}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_{sa}} \binom{D-n+1}{k} \sum_{(j_s+l_{sa}-l_i)} \sum_{j_i=l_s+n+s-D-1} \binom{D-n+1}{k} l_{ik+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} ()$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge l_i - j_{sa} - s = \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{()}{j_s=j_{ik}+l_s-l_{ik}} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{j^{sa}=l_i+n+j_{sa}-D-s} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(j_i-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{()}{j_s=j_{ik}+l_s-l_{ik}} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{j^{sa}=l_i+n+j_{sa}-D-s} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} < n \wedge$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{(l_s-j_s-k+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

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$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$

$$\sum_{j_s = j_{sa} + l_{sa} (j^{sa} = l_s + j_{sa} - D - 1) j_i = j^{sa} + l_i - l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_{ik}=l_{ik}+n}^{l_{ik}-k+1} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(j_i-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \binom{D-n+1}{k} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$

$$\sum_{j_s = l_i + n - j_{ik} - D - s}^{j_{sa}^{ik} - k - j_{sa} + 1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}} \sum_{j_i = j^{sa} + l_i - l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS,B} \Leftrightarrow \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_s}$

$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

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$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{D-n+1} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

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$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$

$$\sum_{j_{ik} = n - D + j_{sa}^{ik} - k - j_{sa} + 1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}} \sum_{j_i = j^{sa} + l_i - l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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$$\sum_{k=2}^{D-n+1} \binom{D-n+1}{j_s = j_{ik} + l_s - l_{ik}}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$

$\sum_{k=2}^{D-n+1} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}}$

$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$

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$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{j_s=0}^{D-n+1} \sum_{j_{sa}=j_s+1}^{(l_s-j_s+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}}^{(j_s+l_{ik}-1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{(j^{sa}+l_i-l_{sa})} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(j_i-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

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$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_s+l_{ik}-l_s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{(j^{sa}+l_i-l_{sa})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_{ik}+n-D-j_{sa}^{ik}+1}^{(l_{ik}-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=l_{ik}-l_s}^{(j^{sa}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_s+n-D}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

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$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

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$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

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$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{(j_s=l_{ik}+l_s-1)}$$

$$\sum_{j_{ik}=l_{ik}+l_s}^{(j_{ik}=l_{ik}+l_s-1)} \sum_{j_{sa}=l_{sa}+l_{ik}}^{(j_{sa}=l_{sa}+l_{ik}-1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

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$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_{ik}+n-D-j_{sa}^{ik}+1}^{(l_i-k-s+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - j_s - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}-k-j_{sa}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} < n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i = l_{ik} \wedge j_{sa} - s = j_i \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i-k-s+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{sa}=j^{sa}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(j_i-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow = \sum_{k=2}^{D-n+1}$$

$$\frac{(D - n - k)!}{(D - n - k - 1)! \cdot (n - 1)!}$$

$$\sum_{j_s=j_{ik}+l_s-l_{ik}}^{D+l_s-l_{ik}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}-l_{sa}}^{l_{sa}+s-k-j_{sa}+1} \sum_{j_i=l_i+n-D}^{j_i+j_{sa}-s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}}^{(j_i+j_{sa}-s-1)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}+s-k-j_{sa}+1} \sum_{j_i=l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_{sa}+s-k-j_{sa}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j^{sa} \leq j^{sa} + j_{sa} - s \wedge j^{sa} + j_{sa} - s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa} - j_{sa}^{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{()} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(D+l_s+s-n-l_i)} \sum_{(j_i+j_{sa}-s-1)} \sum_{(j_i=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{(j_{ik}=j^{sa}+l_{ik}-l_{sa})} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^D \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{(j_{ik}=j^{sa}+l_{ik}-l_{sa})} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{(j_s = j_{ik} + l_s - l_{ik})}$$

$$\sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})} \sum_{(j_i = l_i + n - D)}^{l_{ik} + s - k - j_{sa}^{ik} + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} + l_s - l_{ik})} \right)$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{j^{sa} + j_{sa}^{ik} - j_{sa} - 1} \sum_{(j^{sa} = j_i + l_{sa} - l_i)} \sum_{j_i = l_i + n - D}^{l_{ik} + s - k - j_{sa}^{ik} + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

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$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \binom{()}{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - j_{sa} < j_{ik} - j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} < j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \dots \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \dots \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \binom{(j_i+j_{sa}-s-1)}{(j_{sa}=l_{sa}+n-D)} \frac{l_{ik}+s-k-j_{sa}^{ik}+1}{(j_{sa}+j_{sa}^{ik}-j_{sa})!} \right) -$$

$$\frac{(l_s - j_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} -$$

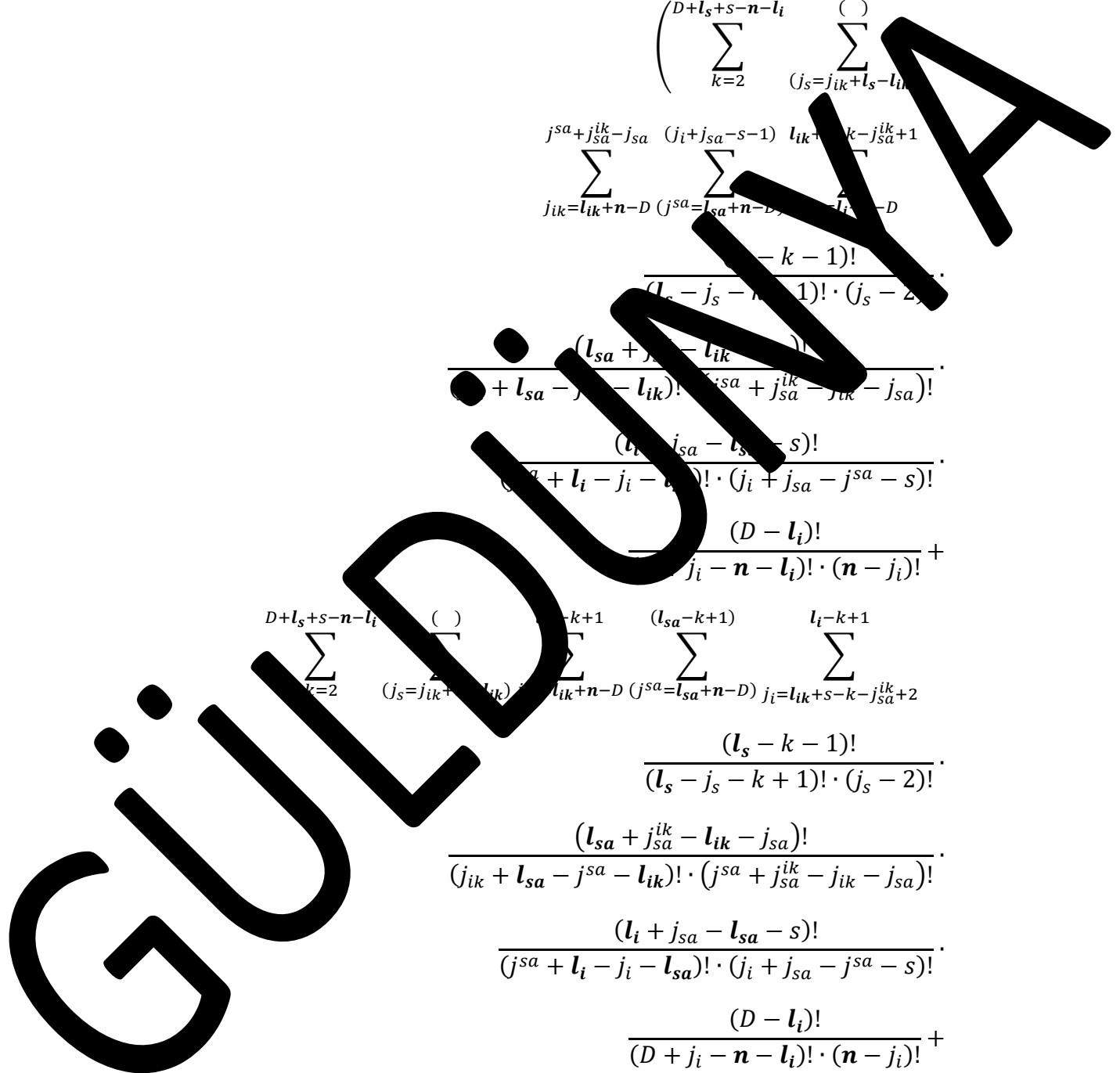
$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}-k+1} \binom{(l_{sa}-k+1)}{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{(\quad)}{(j_{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \dots$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \dots$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_s^{ik} + 1 \wedge j_s + j_{sa}^{lk} - 1 \leq j_{ik} \leq l_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_s^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{lk} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{()} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{l_s+s-k} \sum_{j_i=l_i+n-D}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right.$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_i+j_{sa}-k)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{l_i-k+1} \sum_{j_i=l_i+n-D}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D-n+l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)}^{l_i-k+1} \sum_{j_i=l_i+n-D}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1) \cdot (n-1)!} \right) -$$

$$\left(\sum_{j_s=2}^{D+l_s-n-l_i} \sum_{j_{ik}=j_s+l_s-l_{ik}}^{()} \sum_{j_i=l_i+n-D}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\left(\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}-1}^{()} \sum_{j^{sa}=j_i+l_{sa}-l_i}^{()} \sum_{j_i=l_i+n-D}^{()} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \sum_{j_i=l_i+n-D}^{()} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\left(\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j^{sa}=j_i+l_{sa}-l_i}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right) -$$

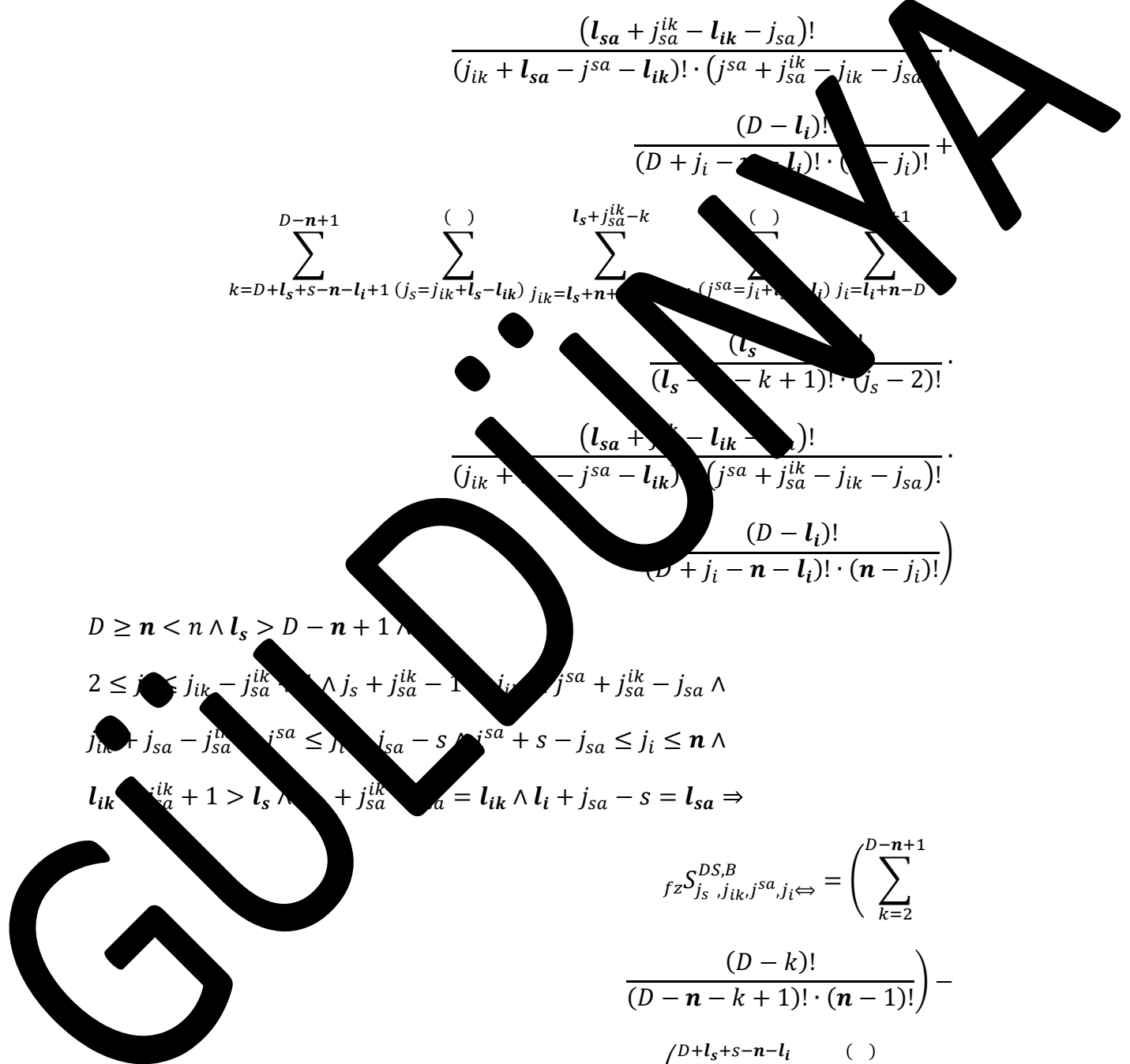
$$\left(\sum_{j_i=l_i+n-D}^{()} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$
 $2 \leq j_s \leq j_{ik} - j_{sa}^{ik} \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} - j^{sa} \leq j_i \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} + j_{sa} - l_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot \binom{D+l_s+s-n-l_i}{k=2} \binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \binom{(\quad)}{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right)$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \binom{D+l_s+s-n-l_i}{k=2} \binom{j_{ik}-j_{sa}^{ik}}{j_s=l_s+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik})!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s-k}{j_s=l_s+n-D} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \binom{l_i-k+1}{j_i=l_s+s-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{l_s-k+1}{j_s=l_s+n-D} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \binom{l_i-k+1}{j_i=l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{(j_s = j_{ik} + l_s - l_{ik})}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - j_{sa}} \sum_{j^{sa} = j_i + j_{sa} - s} \sum_{j_i = l_i + n - D}^{l_s + s - k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} + l_s - l_{ik})} \right)$$

$$\sum_{j_{ik} = l_s + n + j_{sa}^{ik} - D - 1}^{j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = l_{sa} + n - D)}^{(j_i + j_{sa} - s - 1)} \sum_{j_i = l_i + n - D}^{l_s + s - k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

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$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-l_{sa}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1) \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s-n-l_i} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{ik}-j_{sa}^{ik}+1} \frac{\binom{D+l_s-n-l_i}{k} \binom{D-l_i}{j_{ik}-j_{sa}^{ik}+1}}{\binom{D+l_s-n-l_i}{j_s-k+1} \cdot (j_s-2)!} \right) -$$

$$\left(\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}}^{j_{ik}-l_{sa}} \sum_{j_{sa}=j_{sa}^{ik}-s}^{j_{sa}-s} \sum_{j_i=l_i+n-D}^{j_i+l_i+n-D} \frac{\binom{D+l_s-n-l_i}{j_s-k+1} \binom{D-l_i}{j_i+l_i+n-D}}{\binom{D+l_s-n-l_i}{j_s-k+1} \cdot (j_s-2)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+n-l_i} \sum_{j_s=l_s+n-D}^{j_s+l_s+n-D} \frac{\binom{D+l_s+n-l_i}{k} \binom{D-l_i}{j_s+l_s+n-D}}{\binom{D+l_s+n-l_i}{j_s-k+1} \cdot (j_s-2)!} \right) -$$

$$\left(\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}}^{j_i+j_{sa}-s-1} \sum_{j_{sa}=l_{sa}+n-D}^{j_{sa}+n-D} \sum_{j_i=l_i+n-D}^{j_i+l_i+n-D} \frac{\binom{D+l_s-n-l_i}{j_s-k+1} \binom{D-l_i}{j_i+l_i+n-D}}{\binom{D+l_s-n-l_i}{j_s-k+1} \cdot (j_s-2)!} \right) -$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \binom{D+l_s+s-n-l_i}{\sum_{k=2}^{j_s} \binom{j_s-k+1}{j_s-k+1}} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{j_s} \sum_{l_{sa}=l_i+l_i-n-D}^{l_s+s} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \binom{D+l_s+s-n-l_i}{\sum_{k=2}^{j_{ik}-j_{sa}^{ik}+1}} \sum_{(j_s=l_s+n-D)}^{j_{ik}-j_{sa}^{ik}+1} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{l_s+s-k}{j_i=l_i+n-D} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)^+$$

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$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+n-1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

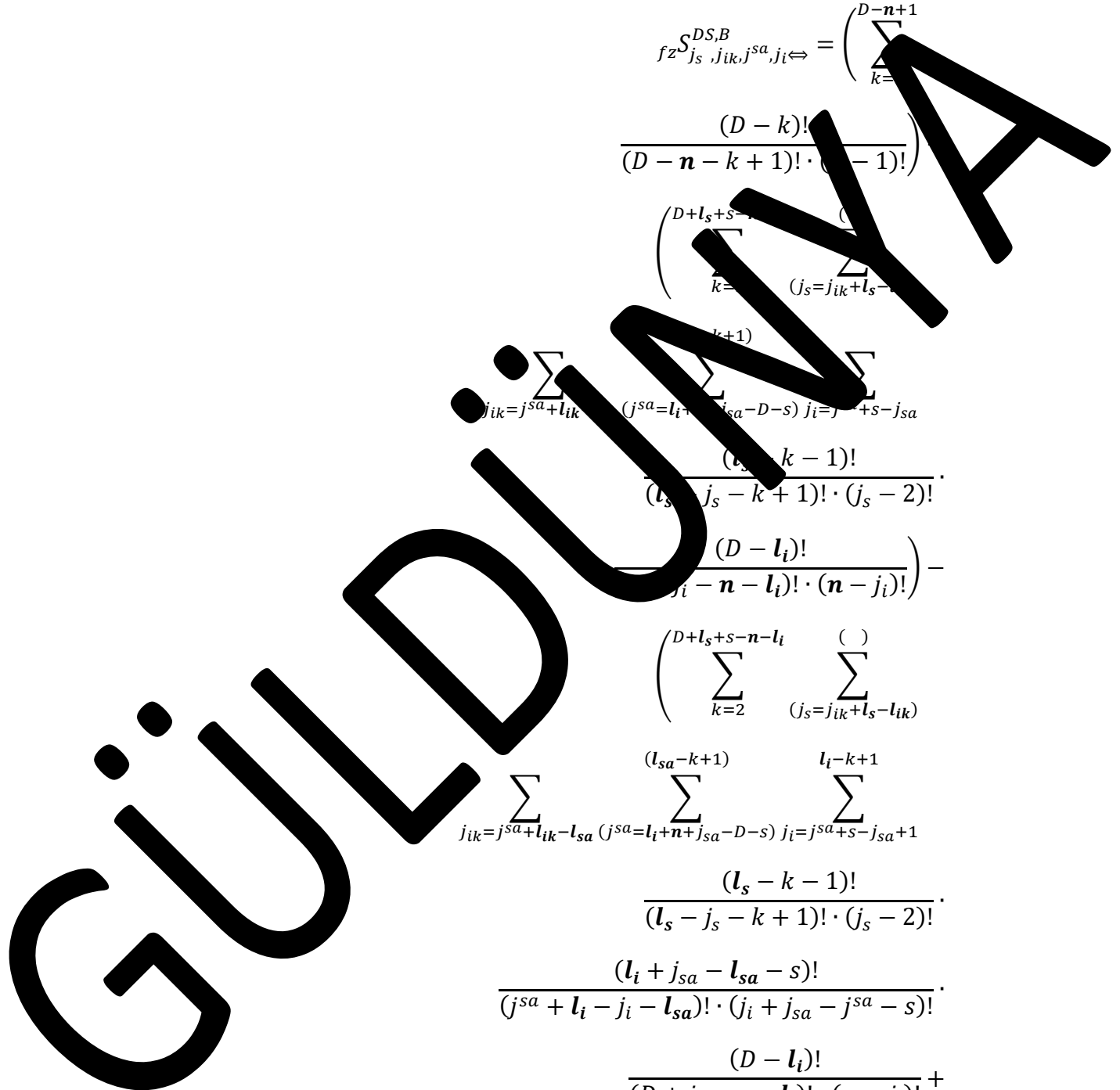
$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!} \right) \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \left(\sum_{j_i=n-l_i}^{D-l_i} \frac{(D-l_i)!}{(j_i-n-l_i)! \cdot (n-j_i)!} \right) \cdot \left(\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\substack{j^{sa}=l_i+n+j_{sa}-D-s \\ j_i=j^{sa}+s-j_{sa}+1}} \sum_{j_s=j_{ik}+l_s-l_{ik}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} - 1 \leq j_i \leq j_{ik} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{ik} \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right. \\
 & \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_i+n+j_{sa}-D-j_{sa}^{ik}-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \sum_{k=D+l_s+s-n-l_i}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!}$$

$$\binom{D+l_s+s-n-l_i}{k=0} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}+1} \sum_{j^{sa}=l_i+l_{sa}-D-s}^{j^{sa}=l_i+l_{sa}-D-s+1} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{j_i=j^{sa}+l_i-l_{sa}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\binom{D-l_i}{j_i=n-l_i} \cdot \binom{D-l_i}{n-j_i}$$

$$\binom{D+l_s+s-n-l_i}{k=2} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j_{ik}=l_{ik}+n-D+1} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{j^{sa}=l_i+n+j_{sa}-D-s+1} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{j_i=j^{sa}+l_i-l_{sa}+1}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-l_i-l_{sa}}^{()}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+s-j_{sa}}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
 \end{aligned}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}^{ik}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\begin{aligned}
 f_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} &= \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 &\quad \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) - \\
 &\quad \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\quad \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
 &\quad \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\quad \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \\
 &\quad \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 &\quad \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+n+j_{sa}-D-1)} \sum_{j_i=l_i+n-D} \frac{(l_i-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\quad \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!}
 \end{aligned}$$

GÜLDÜZYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{(l_s+j_{sa}-k)}{j^{sa}=l_s+n+j_{sa}-D-1}} \sum_{\binom{l_i-k+1}{j_i=l_i+n-D}} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-1)!}$$

$$\frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-l_{sa}-s)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} - 1 \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} - l_i + j_{sa} - s = l_{sa} \Rightarrow$

$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{D, S, B} = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$

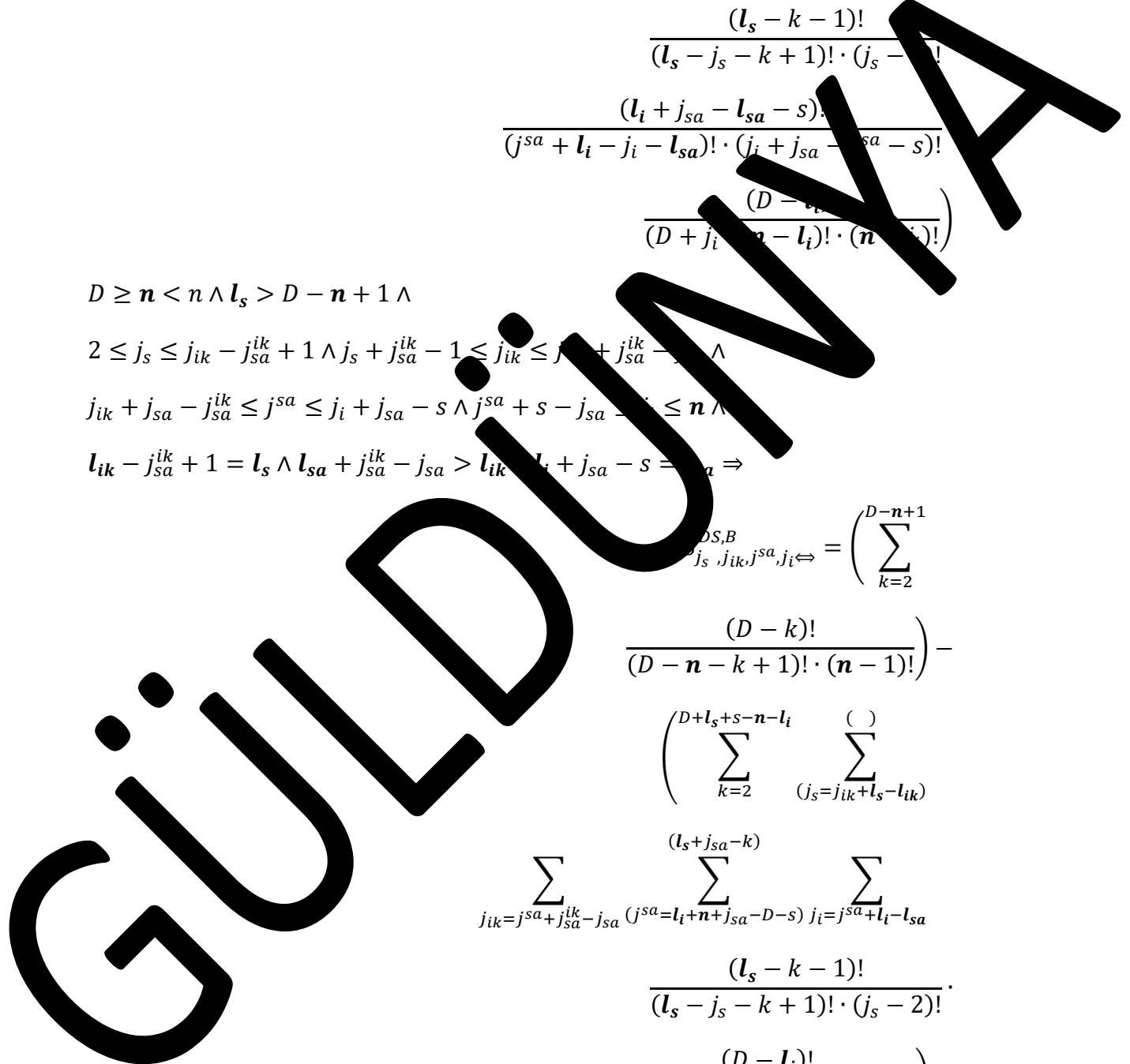
$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \right)$

$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{(l_s+j_{sa}-k)}{j^{sa}=l_i+n+j_{sa}-D-s}} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$

$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \right)$



$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(l_s+j_{sa}-k)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\geq n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$\begin{aligned}
 f_{z_{j_s, j_{ik}, j^{sa}, j_i} \leftrightarrow}^{DS, B} &= \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 &\quad \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \frac{(l_s+j_{sa}-k)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) - \\
 &\quad \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\quad \left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) - \\
 &\quad \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{(j_s=j^{sa}+l_i-l_{sa})}^{(l_s+j_{sa}-k)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 &\quad \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 &\quad \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 &\quad \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!}
 \end{aligned}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-1)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} + j_{sa} - s > j_{sa} \Rightarrow$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

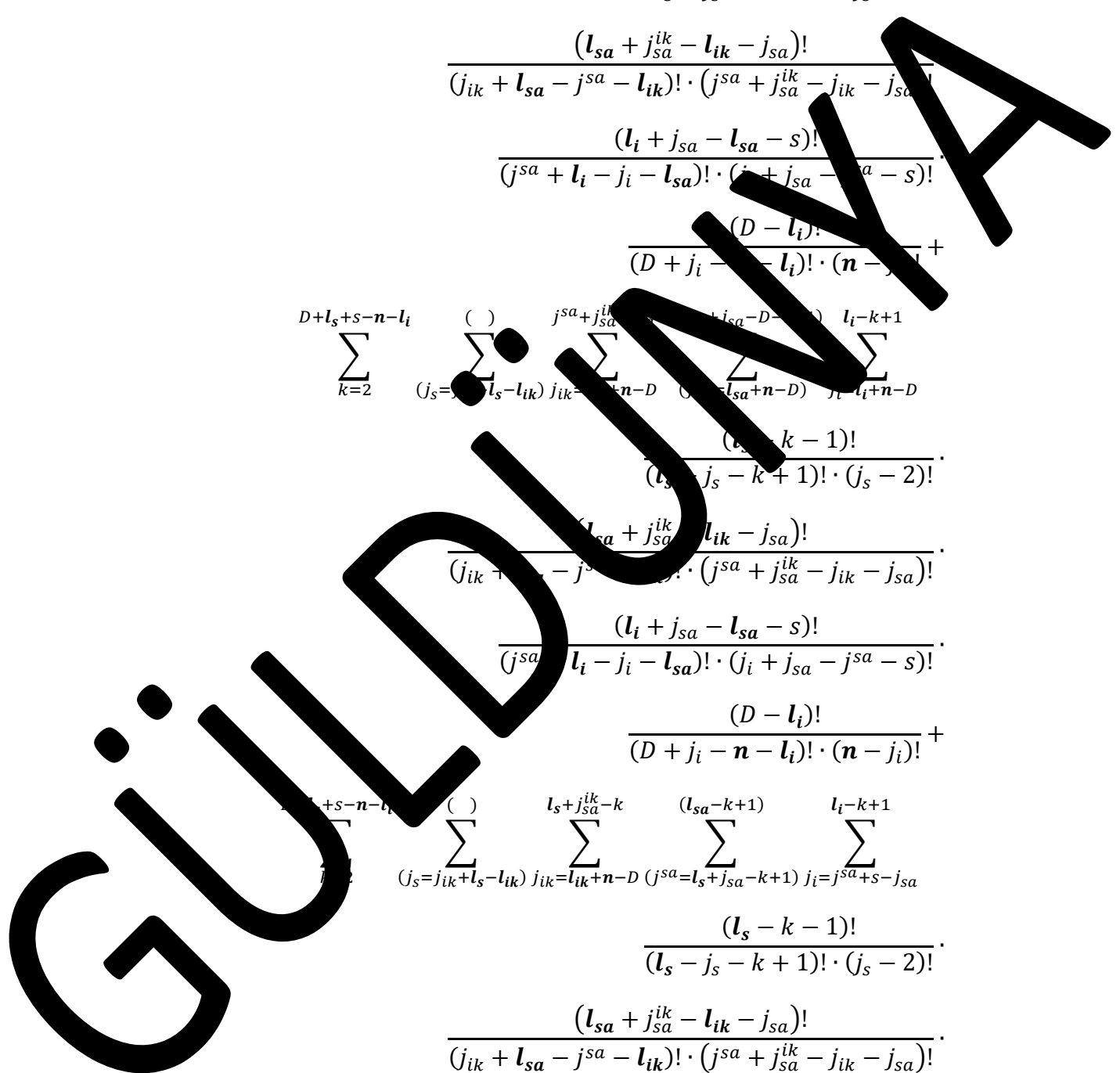
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{k} \sum_{(j_s=l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(D+l_s+s-n-l_i)} \binom{D+l_s+s-n-l_i}{k} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(l_s+j_{sa}-k)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(l_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{j_i=l_i+n-D} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_i - l_{sa} - s)!}{(D + l_i - n - l_i)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n - l_i > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} + s + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + l_s \geq l_s \wedge l_s - j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\begin{aligned}
 & \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_i=l_i-n-D}^{(j_{sa}^{ik}+1)} \\
 & \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_i=l_i-n-D}^{(j_{sa}^{ik}+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i+n+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜNBÜYÜK

$$\begin{aligned}
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}} \sum_{(j^{sa}=l_s+l_{sa}-D-s)}^{(j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \binom{D+l_s+s-n-l_i}{\sum_{k=2}^{j_s} \binom{l_s+j_{sa}-k}{j_s-k+1}} \cdot \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot \binom{D+l_s+s-n-l_i}{\sum_{k=2}^{(j_{ik}-j_{sa}^{ik}+1)}} \sum_{(j_s=l_s+n-D)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)^+$$

GÜLDENWA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_s}^{(l_{ik}-k)} \sum_{(j^{sa}=l_i+l_{sa}-D-s)}^{(l_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-j_i)!}$$

$$\binom{D+l_s+s-1}{k=1} \binom{D+l_s+s-1}{j_s=j_{ik}+l_s-1}$$

$$l_{sa} + j_{sa}^{ik} - k - j_{sa} \quad \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-s} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\binom{D-l_i}{j_i=n-l_i} \binom{D-l_i}{n-j_i}$$

$$\binom{D+l_s+s-n-l_i}{k=2} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s} \binom{D+l_s+s-n-l_i}{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_i+n+j_{sa}^{ik}-D-s-1} \binom{D+l_s+s-n-l_i}{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} - j_{ik} - l_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D+j_{sa}+1}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k - 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \right. \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=0}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!} \right)$$

$$\left(\sum_{k=0}^{D+l_s+s-1} \frac{(D+l_s+s-k)!}{(j_s=j_{ik}+l_s-k)!} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\left(\frac{(D-l_i)!}{j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_i+n+j_{sa}^{D-s})}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{sa} \leq j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + j_{sa}^{ik} - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_i+n-D}^{l_i+j_{sa}^{ik}-D-s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)
 \end{aligned}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{l_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{\binom{()}{j^{sa}=l_{sa}+n-D}}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - k - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - l_{sa})!} \cdot \frac{(l_{sa} - 1)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) + \\
 & \left(\sum_{k=l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \right. \\
 & \left. \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \right) + \\
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!}$$

$$\binom{D+l_s+s-n-l_i}{k=2} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-k}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} (j_i=j^{sa}+l_i-l_{sa}) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\binom{D-l_i}{(j_i-n-l_i)! \cdot (n-j_i)!}$$

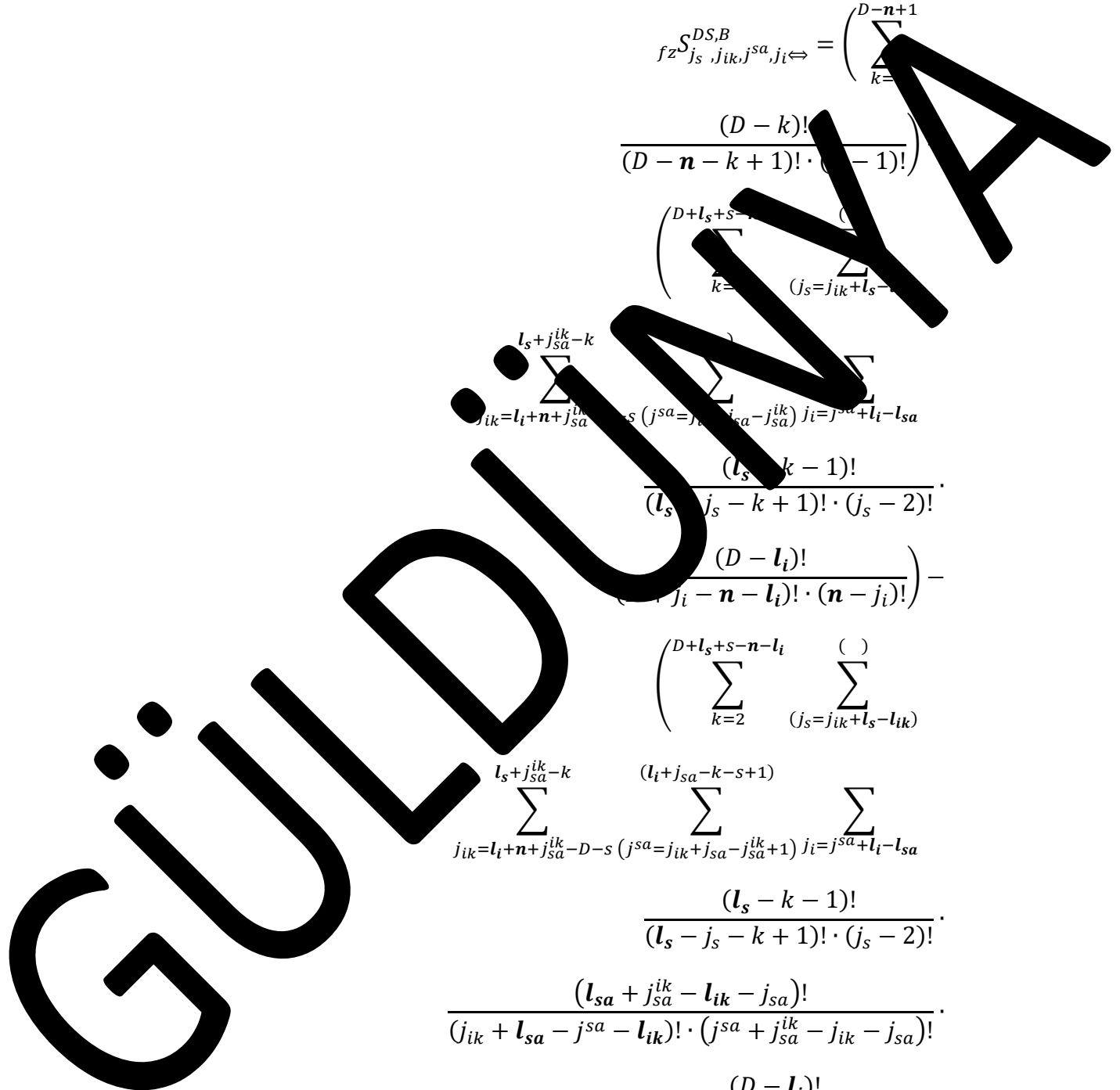
$$\binom{D+l_s+s-n-l_i}{k=2} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+l_i-l_{sa})} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{(j_i=j^{sa}+l_i-l_{sa})} \sum_{(l_i+j_{sa}-k-s+1)}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{\binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})}} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{(\quad)}{(l_i+j_{sa}-k-s+1)}} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{(\quad)}{(j_s=j_{ik}-j_{sa}^{ik}+1)}} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{(\quad)}{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\begin{aligned}
 & \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right. \\
 & \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\binom{D+l_s+s-1}{k=0} \binom{l_s}{j_s=j_{ik}+l_s-k}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-k}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_s+j_{sa}^{ik}-k-s} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_s+j_{sa}^{ik}-k-s} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\binom{D-l_i}{j_i=n-l_i} \binom{n-j_i}{n-j_i}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=j_{ik}+l_s-l_{ik}} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{s_a}^{ik}-D-1}^{l_i+n+j_{s_a}^{ik}-D-s-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{s_a}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{s_a}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n+j_{s_a}^{ik}-D-1}^{l_s+j_{s_a}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_s-l_{ik}-j_{s_a}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{s_a}^{ik}-D-1}^{l_s+j_{s_a}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{s_a}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{s_a}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$

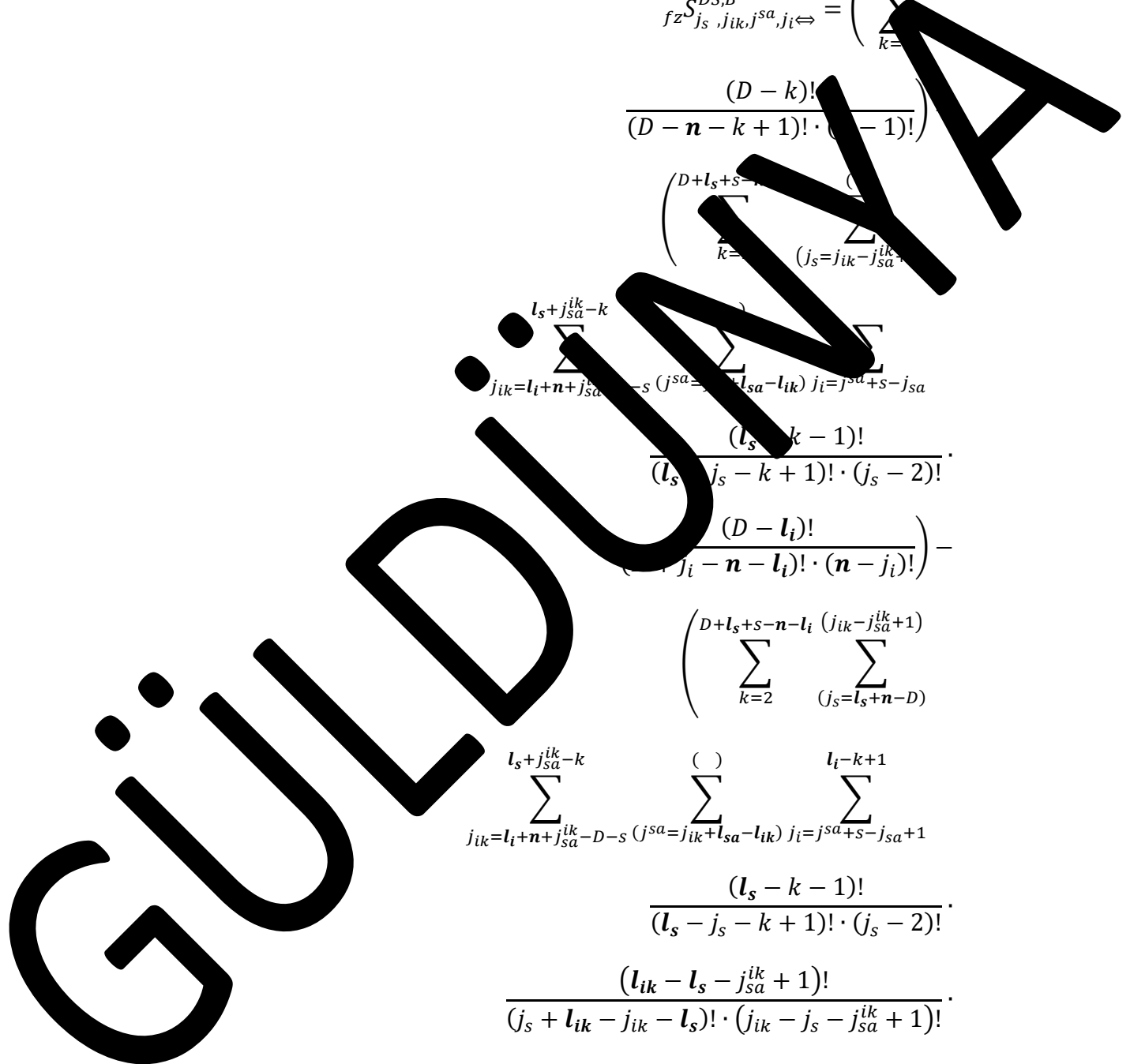
$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \binom{D-n+1}{k=0} \frac{(D-k)!}{(D-n-k+1)! \cdot (k-1)!} \binom{D+l_s+s-1}{k=0} \binom{l_s+j_{sa}^{ik}-k}{j_{ik}=l_i+n+j_{sa}^{ik}-s} \binom{j^{sa}}{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \binom{l_i}{j_i=j^{sa}+s-j_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(j_i-n-l_i)! \cdot (n-j_i)!} \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_s+n-D}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \binom{l_i-k+1}{j_i=j^{sa}+s-j_{sa}+1} \right) \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

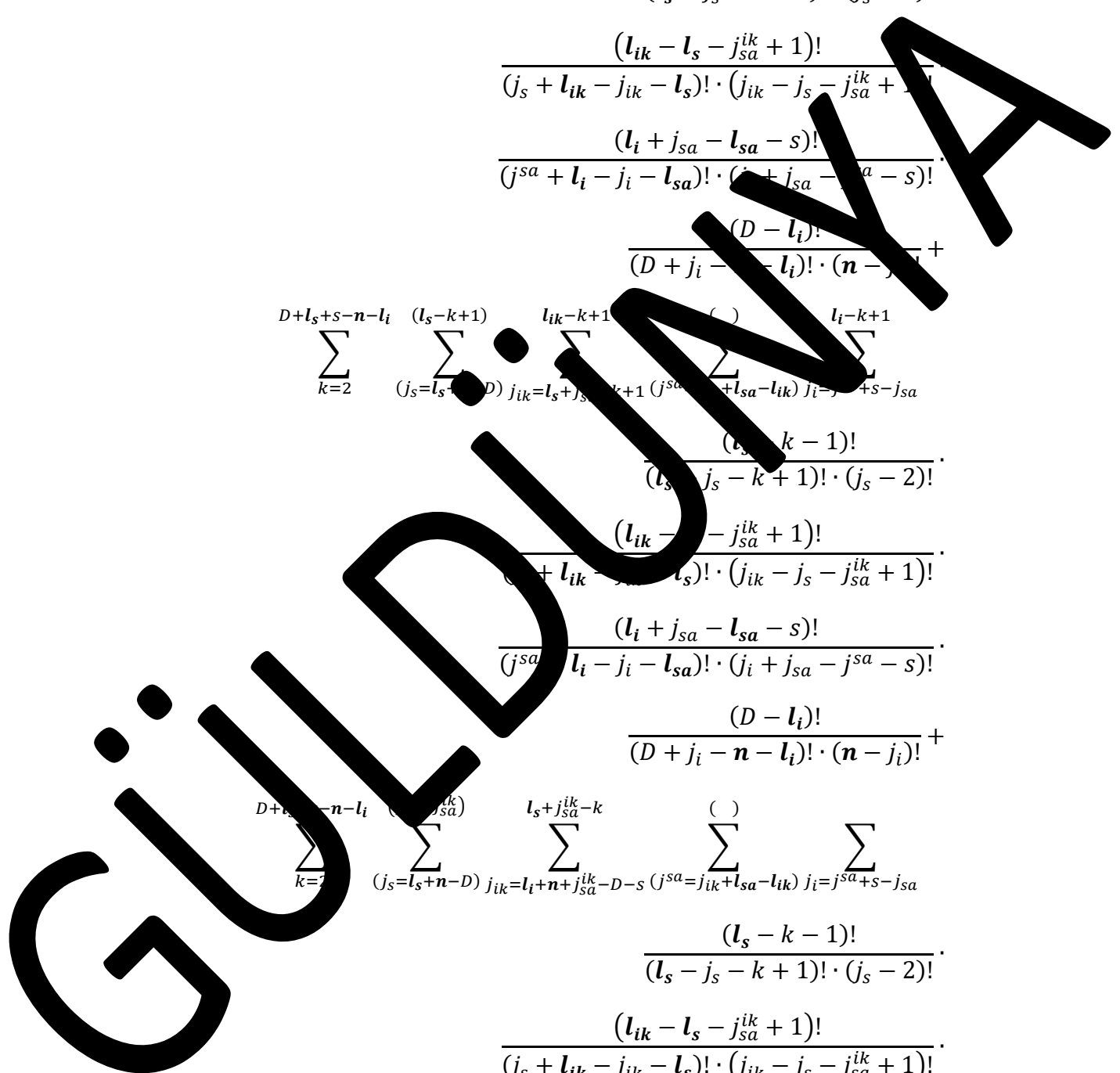
$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{ik}-k+1)} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - l_{sa} - s)!} \cdot \frac{(D - l_i - j_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} + j_{sa} - s \Rightarrow$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s, j_{ik}, j^{sa}, j_i) \in DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

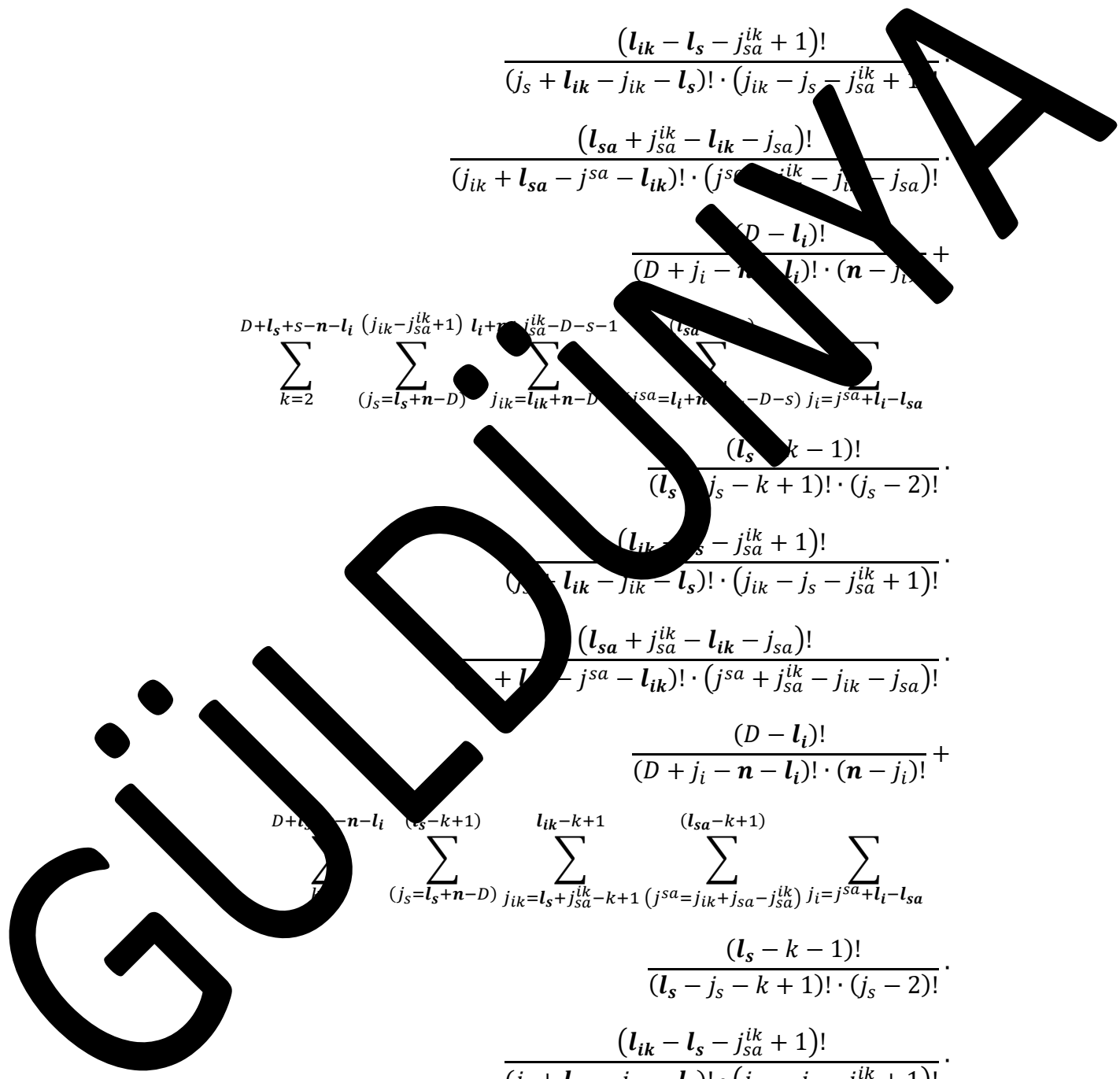
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(l_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{j_{ik}-j_{sa}^{ik}-D-s-1} \sum_{(l_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{(j_s=l_s+n-D)}^{D+l_s+s-n-l_i} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{(l_s-k+1)} \sum_{(l_{sa}-k+1)}^{l_{ik}-k+1} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-j_{sa}^{ik})}^{(j_i=j^{sa}+l_i-l_{sa})} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq l_i \leq n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa} \leq j_i \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa} = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

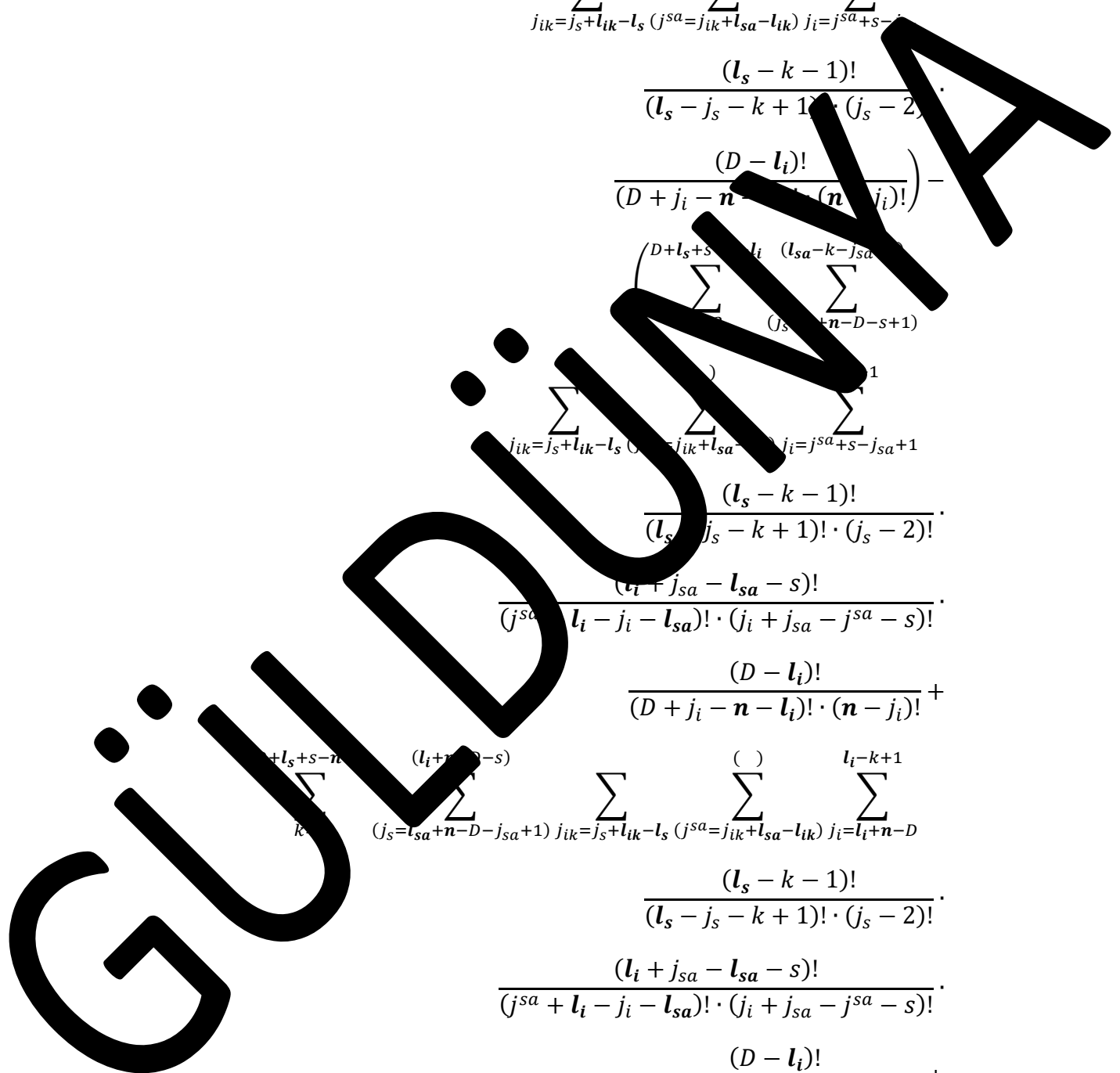
$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_i+l_{sa}-j_{sa}-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$\sum_{k=2}^{D-n+1} \left(\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-l_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D > n < n \wedge l_s > n + 1$

$2 \leq j_s \leq l_s - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} = j^{sa} \wedge j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - s - j_{sa} \leq j_i - n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$

$fz_{j_{ik}, j^{sa}, j_i}^{D, S, B} \Leftrightarrow = \left(\sum_{k=2}^{D-n+1} \right) -$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$

$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa+s}-j_{sa}}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik})}^{(l_i+n-D-s)} \sum_{(j_s+l_{ik}-l_s)} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik})} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa+s}-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - l_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - 1$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j_i + j_{sa} - s > j_i \Rightarrow$

$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$

$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{\binom{(\cdot)}{j_i=j^{sa}+s-j_{sa}+1}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{\binom{(\cdot)}{(j_s=l_s+n-D)}} \sum_{\binom{(\cdot)}{j_{ik}=j_s+l_{ik}-l_s} \binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{\binom{(\cdot)}{j_i=l_i+n-D}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{D-n} \sum_{\binom{(\cdot)}{(j_s=l_s+n-D)}} \sum_{\binom{(\cdot)}{j_{ik}=j_s+l_{ik}-l_s} \binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{\binom{(\cdot)}{j_i=l_i+n-D}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j^{sa}+l_i-l_{sa})}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+l_i-l_{sa})}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

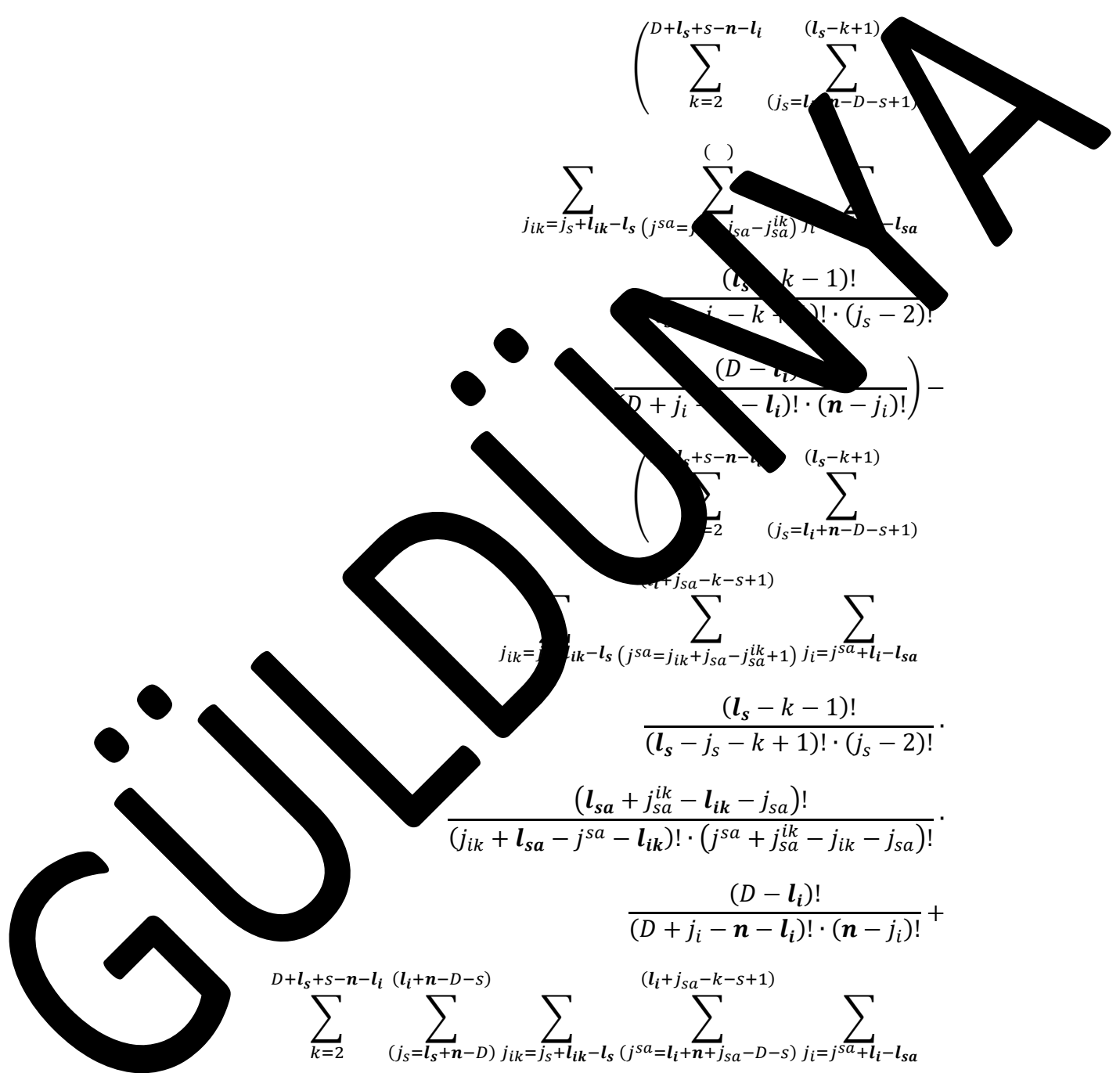
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{(j_i=j^{sa}+l_i-l_{sa})}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_s - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_s + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} + j_{sa} - s = j_i \Rightarrow$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s, j_{ik}, j^{sa}, j_i) \in DS, B} =$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{l=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$\geq n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right.$$

$$\left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right.$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j^{sa}-j_{sa})} \left(\frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) -$$

$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right.$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=j^{sa}+s-j_{sa})} \left(\frac{(l_s-k+1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \right) \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{(j_i=l_i+n-D)}^{l_i-k+1}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})} \sum_{(j_i=j^{sa}-j_{sa}+1)}^{-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!}$$

$$\frac{(l_{sa} - l_i - j_i - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_i+n-D)}^{(l_s-k)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{(j_i=l_i+n-D)}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < l_i \wedge l_s > D - n + 1 \wedge$$

$$j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\begin{aligned}
& \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
& \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right. \\
& \sum_{j_{ik}=j_s+j_{sa}^{lk}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}} \\
& \frac{(l-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
& \frac{(l_i-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \\
& \left. \sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
& \sum_{j_{ik}=j_s+j_{sa}^{lk}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
& \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
& \frac{(l_{ik}-l_s-j_{sa}^{lk}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{lk}+1)!} \cdot \\
& \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \cdot \\
& \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
& \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
& \frac{(l_{ik}-l_s-j_{sa}^{lk}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{lk}+1)!} \cdot
\end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}-1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_i+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-1}^{l_i-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - 1 + 1 \wedge$$

$$2 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - 1 \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$j_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+l_i-1} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{(l_{ik}+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_i+l_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{ik}-k+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot
 \end{aligned}$$

GÜLDÜZMAYA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+l_{sa}-D-s)}^{(k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq l_i < n \wedge l_s > D - n + 1$$

$$l_s \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right) \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \binom{(\quad)}{\quad} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right) \\
 & \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \binom{(\quad)}{\quad} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \binom{(\quad)}{\quad} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \binom{(\quad)}{\quad} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}
 \end{aligned}$$

GÜLDÜZYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$\left(\sum_{k=2}^{D-n+1} \binom{D-k}{D-k+1} \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \binom{l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{l_s+s-k}{j^{sa}=j_i+l_{sa}-l_i} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}$$

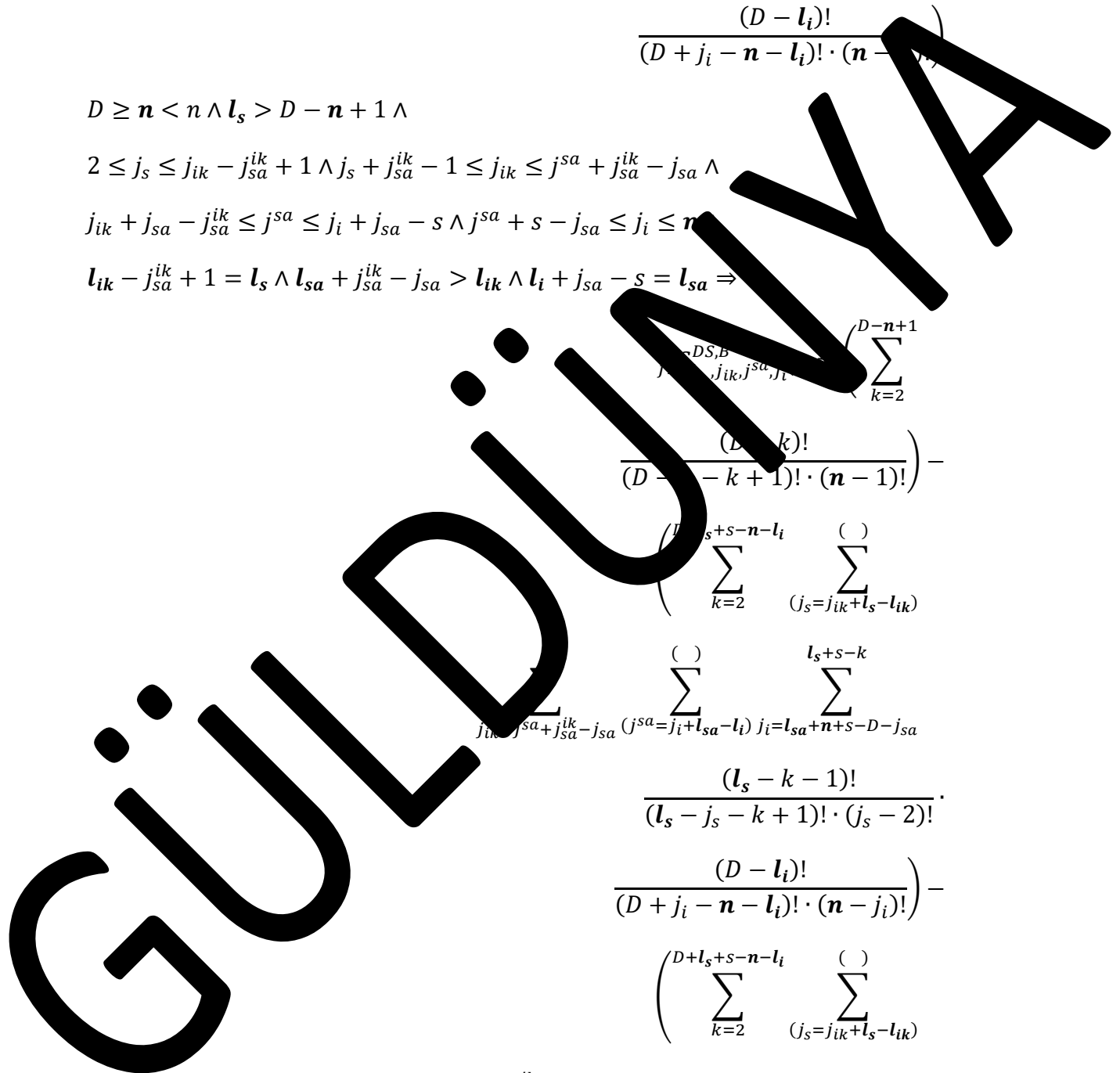
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}} \right)$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{l_s+s-k}{j^{sa}=j_i+l_{sa}-l_i} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq l_i < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + l_s - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_Z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(\cdot)} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{(j_s=l_s+n-D)}^{D+l_s+s-n-l_i} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{(j_s=l_s+n-D)}^{(\cdot)} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \sum_{(j_s=l_s+n-D)}^{(\cdot)} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}
 \end{aligned}$$

GÜLDENYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$\left(\sum_{k=2}^{D-n+1} \binom{D-k}{D-k+1} \frac{(D-k)!}{(D-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{j_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \binom{()}{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=l_s+n-D)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{()}{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_s+n-s-k+1}^{l_{sa}-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k-j_{sa}^{ik})} \sum_{j_{ik}=j_s+l_{ik}-j_{sa}^{ik}}^{l_{ik}-k-j_{sa}^{ik}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

GÜLDÜNYA

$$f_z^{DS,D} \sum_{j_s, j_{ik}}^{D+1} \Leftrightarrow = \left(\sum_{k=2}^{D+1} \frac{(D-k)!}{(D-k-k+1)! \cdot (n-k-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n, l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa} \leq j^{sa} + j_{sa}^{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa} = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\substack{(l_s+j_{sa}-k) \\ j^{sa}=l_{sa}+n-D}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{\substack{j^{sa}+j_{sa}^{ik}-j_{sa}-1 \\ =l_s+n+j_{sa}^{ik}-l_{sa}}} \sum_{\substack{(l_s+j_{sa}-k) \\ j^{sa}=l_{sa}+n-D}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{\substack{D+l_s+s-n-l_i \\ k=2}} \sum_{\substack{(\quad) \\ j_s=j_{ik}+l_s-l_{ik}}} \sum_{\substack{l_s+l_i-k \\ j_{ik}=l_s+n+j_{sa}^{ik}-D-1}} \sum_{\substack{(l_{sa}-k+1) \\ j^{sa}=l_s+j_{sa}-k+1}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{\substack{(\quad) \\ j_s=j_{ik}+l_s-l_{ik}}} \sum_{\substack{l_s+j_{sa}^{ik}-k \\ j_{ik}=l_s+n+j_{sa}^{ik}-D-1}} \sum_{\substack{(l_{sa}-k+1) \\ j^{sa}=l_{sa}+n-D}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

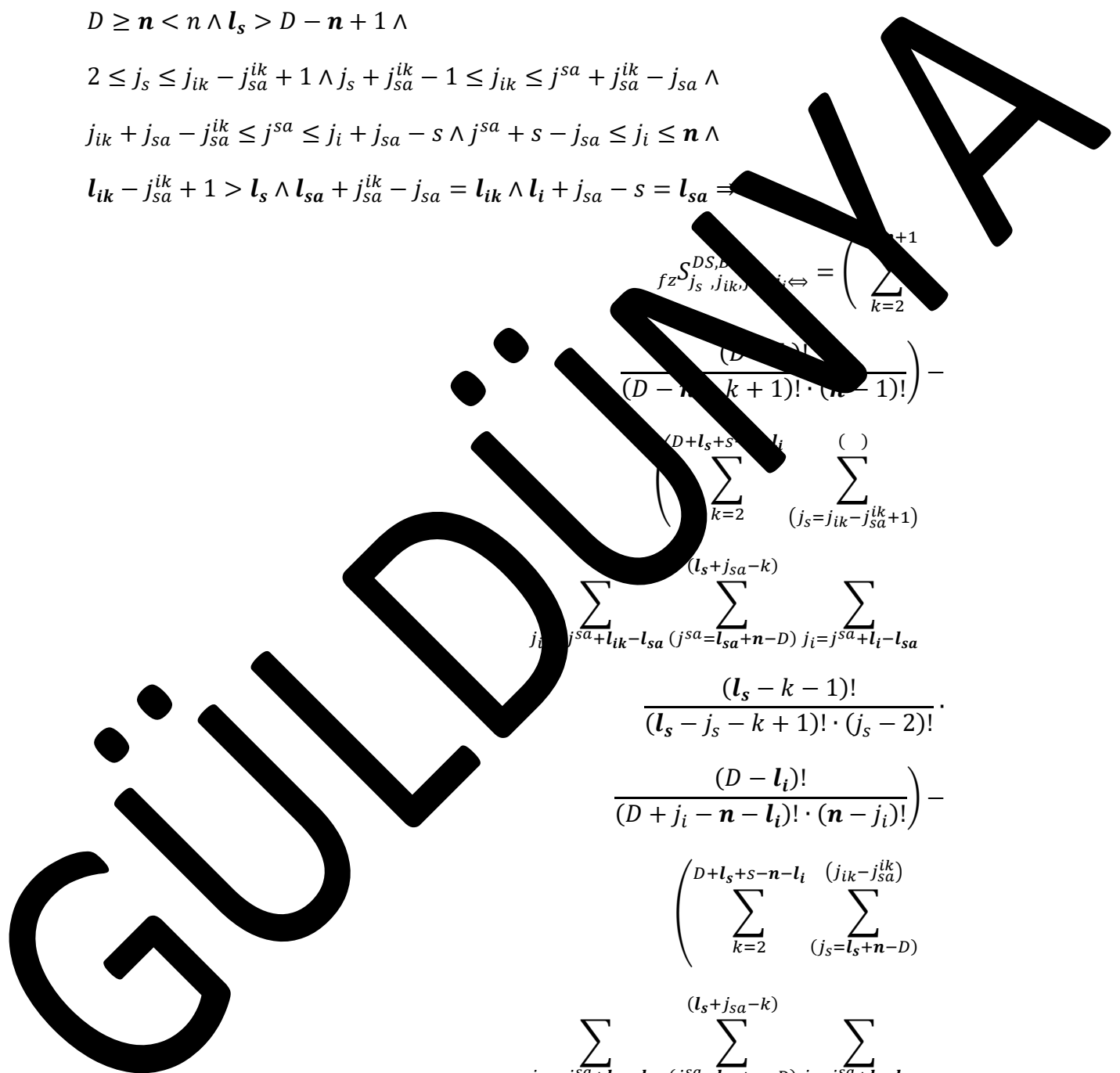
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$



$fz_{j_s, j_{ik}}^{DS, D} \Leftrightarrow = \left(\sum_{k=2}^{j_s+1} \frac{(D - l_i - k)!}{(D - l_i - k + 1)! \cdot (n - l_i - k)!} \right) -$

$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s+j_{sa}-k)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa} \ (j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Bigg) -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right)$

$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa} \ (j^{sa}=l_{sa}+n-D)} \sum_{(j_s=l_s+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n - l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa} \leq j^{sa} + j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j^{sa}, j_i}^{\Leftrightarrow} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg| -$$

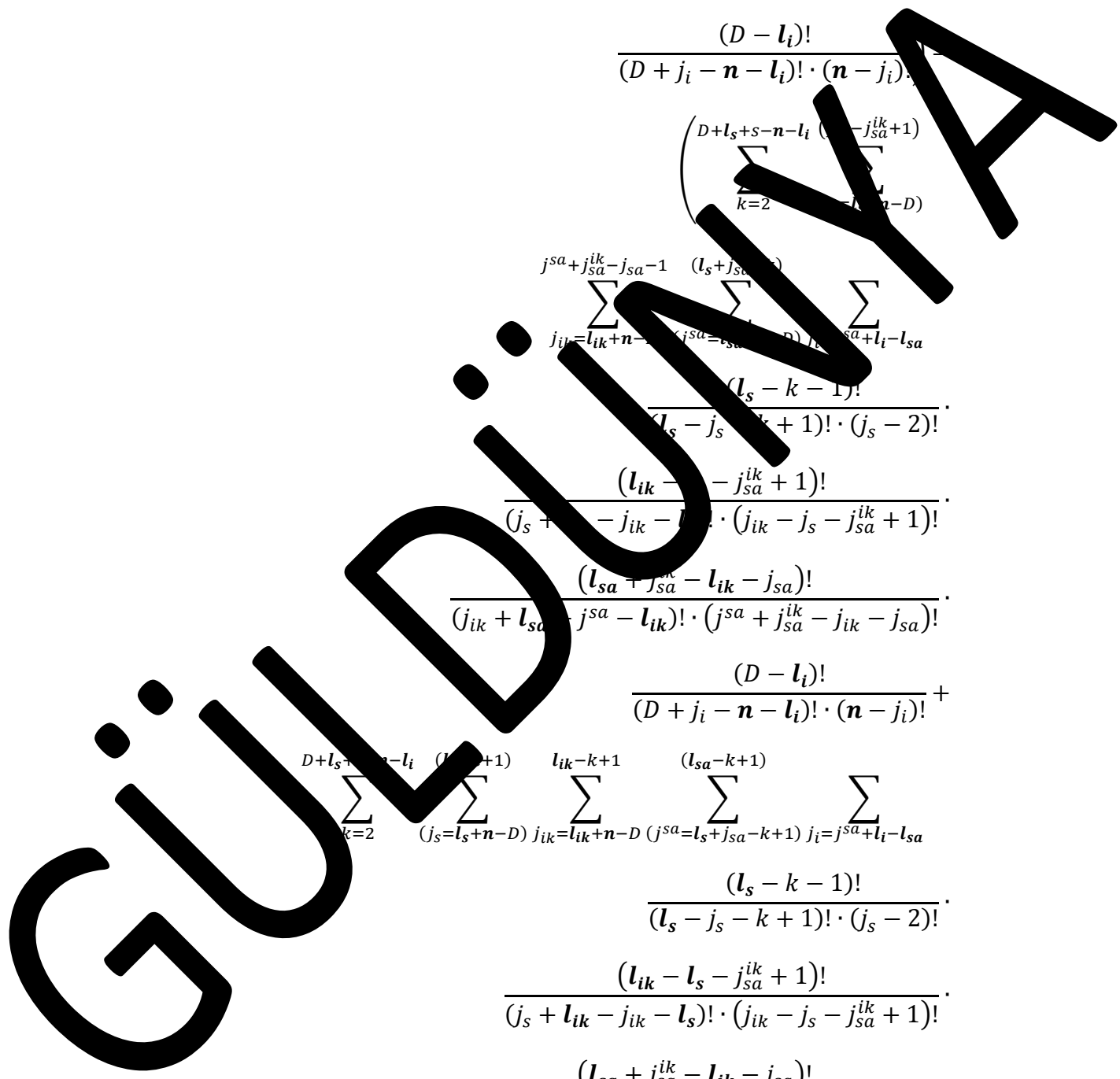
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - l_{sa})!}{(j_{ik} + l_{ik} - j_{sa}^{ik} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n+1 \Rightarrow D - n > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{ik} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{lk}-D-j_{sa}}^{l_{ik}-k+1} \sum_{(j_s=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{lk}-D-j_{sa}}^{l_{ik}-k+1} \sum_{(j_s=j_{ik}+j_{sa}-j_{sa}^{ik+1})}^{(l_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{k-D-j_{sa}-1}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

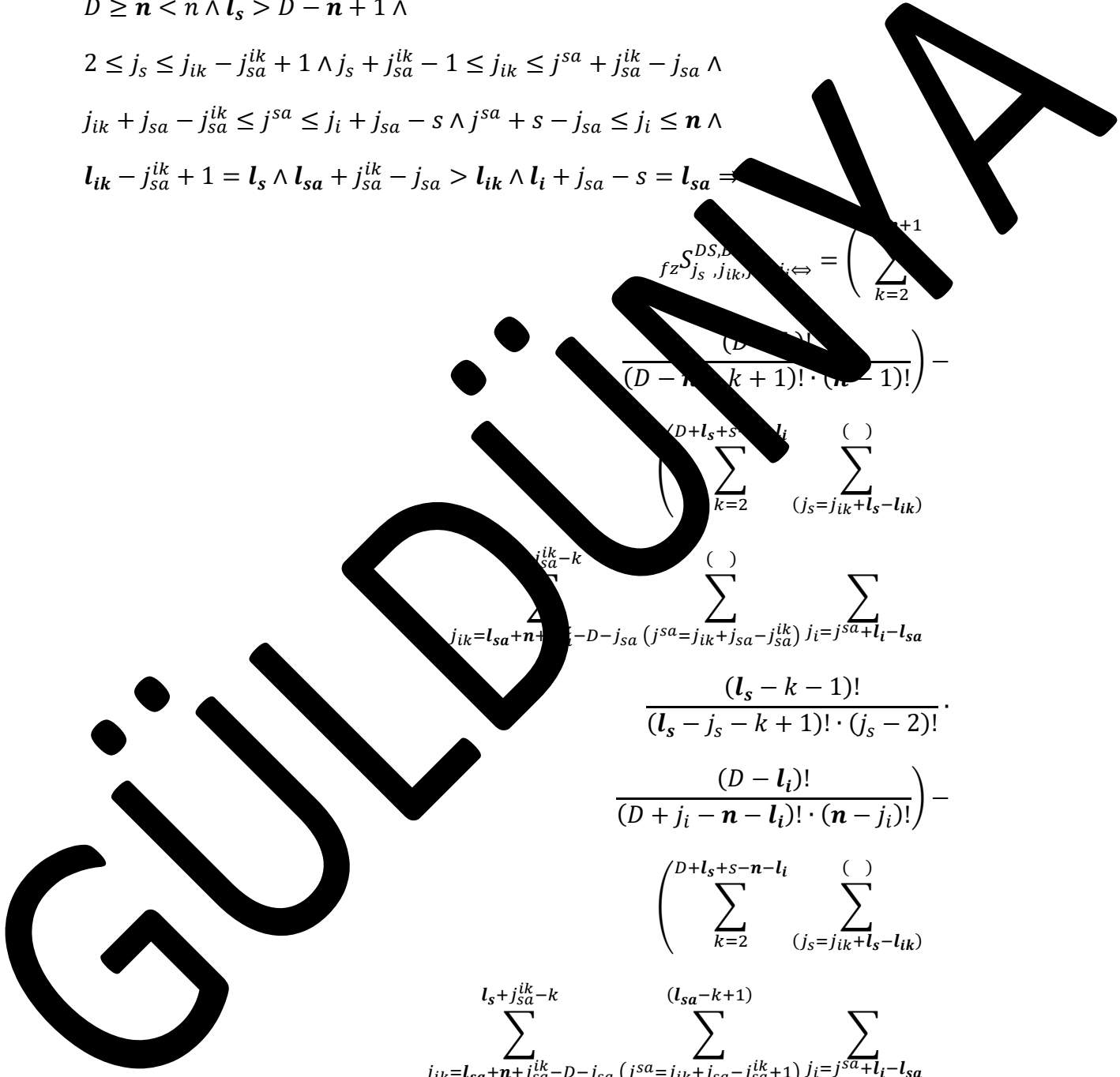
$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$



$$fz_{j_s, j_{ik}}^{DS, D} \Leftrightarrow = \left(\sum_{k=2}^{j_s+1} \frac{(D - l_i)!}{(D - l_i - k + 1)! \cdot (n - l_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-l_i} \frac{(\quad)}{\sum_{(j_s=j_{ik}+l_s-l_{ik})} (\quad)} \right) -$$

$$\sum_{j_{ik}=l_{sa}+n+1}^{j_{sa}^{ik}-k} \frac{(\quad)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=j^{sa}+l_i-l_{sa}} (\quad) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \frac{(\quad)}{\sum_{(j_s=j_{ik}+l_s-l_{ik})} (\quad)} \right) -$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \frac{(l_{sa}-k+1)}{\sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} (\quad)} \sum_{j_i=j^{sa}+l_i-l_{sa}} (\quad) -$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n + 1 > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa} = l_s \wedge l_s + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s - k - j_{sa}^{ik}}{(j_s - k - 1)}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

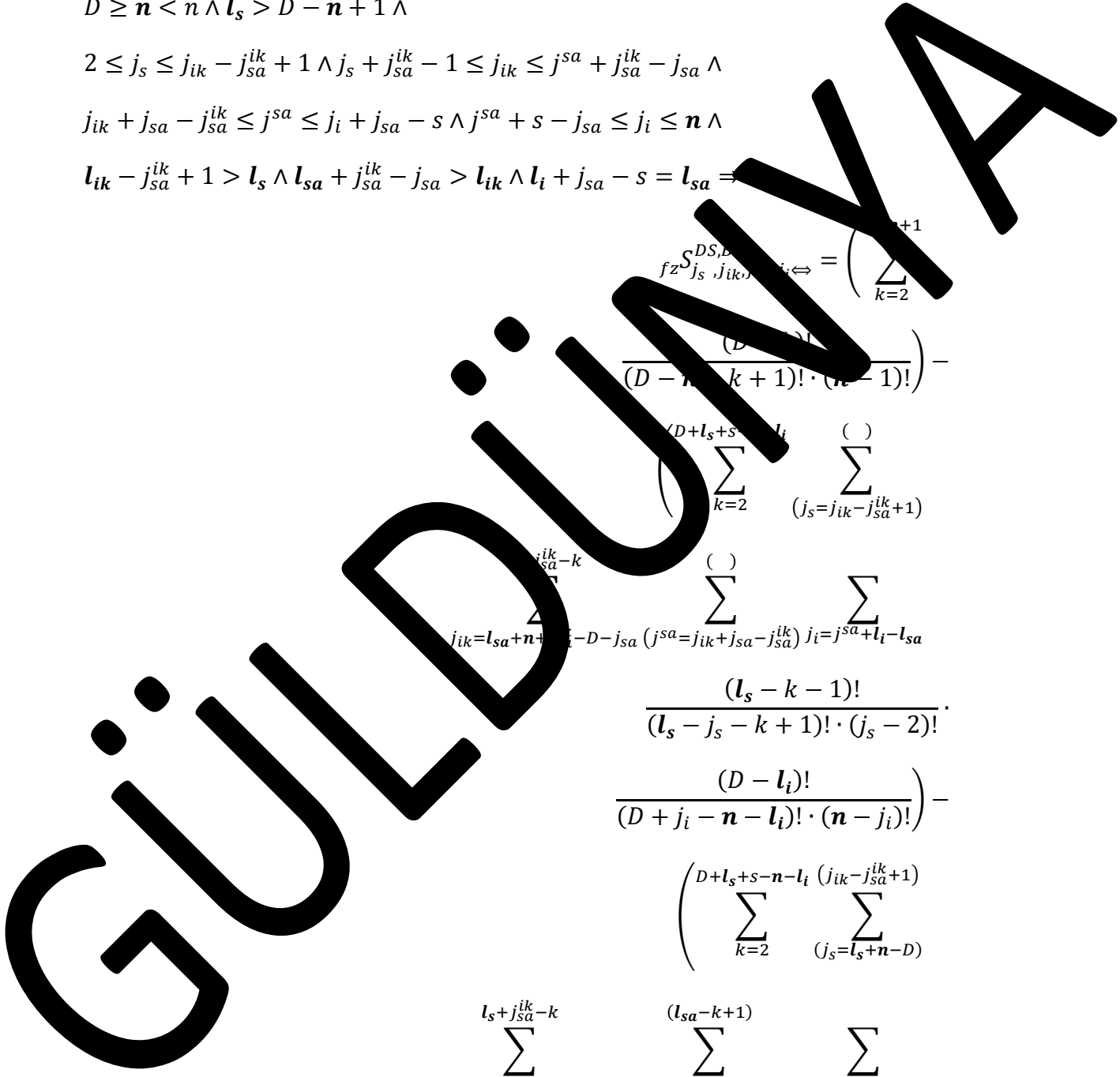
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$



$$\begin{aligned} & f_z^{DS,D} \sum_{j_s, j_{ik}} \dots \Leftrightarrow = \left(\sum_{k=2}^{j_s+1} \frac{(D - l_i)!}{(D - l_i - k + 1)! \cdot (n - l_i)!} \right) - \\ & \left(\sum_{k=2}^{D+l_s+s-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \\ & \left(\sum_{j_{ik}=l_{sa}+n+1}^{j_{sa}^{ik}-k} \sum_{j_i=D-j_{sa}}^{()} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \\ & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{()} \sum_{(j_s=l_s+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \\ & \left(\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) \end{aligned}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(l_{sa}-k+1)}^{(j^{sa}=l_{sa})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{(j_{sa}^{ik}-k+1)} \sum_{(l_{sa}-k+1)}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} - j_{sa}^{ik} - l_i - j_{sa})!}{(j_{ik} - l_{sa} - j_{sa}^{ik} - l_i)! \cdot (j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq l_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} + j_i + j_{sa} - s \wedge j_{sa}^{sa} + j_{sa} - s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_s \wedge l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)^{-}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{ik}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_i=l_{sa}+n-D-j_{sa}+1}^{l_s-1}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{j_s+l_{ik}-l_s} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{j_s+l_{ik}-l_s} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

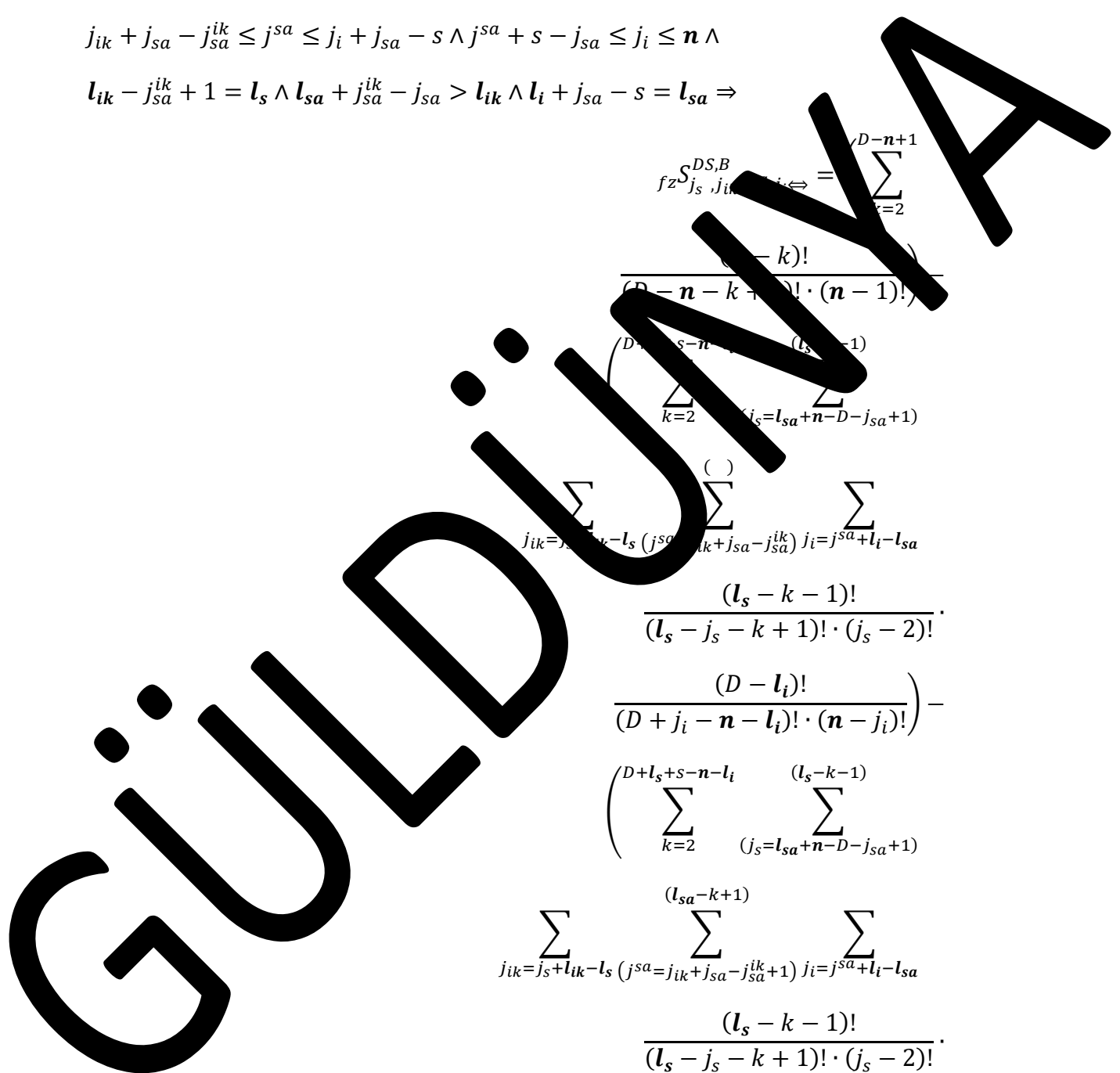
$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{l_s-k-1}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{l_{sa}-k+1} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}-k+1} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} \wedge j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_s + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s - l_{sa} + j_{sa}^{ik} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \dots \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \dots \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-k-j_{sa}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{sa}+n-D-j_{sa}+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} = \sum_{k=2}^{D-n+1}$$

$$\frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{D-n+1} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{l_s-1}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{j^{sa}-1} \sum_{j_{ik}+j_{sa}-j_{sa}^{ik}}^{j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_{sa}+n-D-j_{sa}+1}^{l_s-k-1}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{j_{sa}^{ik}}^{l_{sa}-k+1} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=l_{ik}+n-D-j_{sa}^{ik}-1} \sum_{(j^{sa}=l_{sa}+n-D-j_{sa}^{ik}+1)}^{(l_{sa}-k-1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s-n-l_i} \frac{\binom{D+l_s-n-l_i}{k}}{\binom{j_{ik}-j_{sa}^{ik}+1}{k}} \cdot \sum_{j_i=l_{ik}+s+n-D-j_{sa}^{ik}}^{j_i+l_{sa}-l_i} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \frac{\binom{D+l_s+s-n-l_i}{k}}{\binom{j_{ik}-j_{sa}^{ik}}{k}} \cdot \sum_{j_i=l_{ik}+s+n-D-j_{sa}^{ik}}^{j_i+l_{sa}-l_i} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +$$

GÜLDÜZYA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_s+s-k+1}^{(l_{ik}+s-k-j_{sa}^{ik}+1)} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \dots$$

$D \geq n < n \wedge l_s > D - n + 1$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} + j^{sa} \leq j_{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} + j_{sa} - l_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$f_z^{DS,B} \sum_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{D-n+1} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_{ik}+n-D-j_{sa}^{ik})}^{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}^{(j_{sa}=l_s+j_{sa}-k+1)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}}^{(l_i+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j_{sa}=l_{ik}+n-D-j_{sa}^{ik})}^{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}^{(j_{sa}=l_s+j_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j_{sa}=l_{ik}+n-D-j_{sa}^{ik})}^{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}^{(j_{sa}=l_s+j_{sa}-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS, B} \Leftrightarrow \sum_{k=2}^{D-n+1}$$

$$\frac{(j_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_s=j_{ik}-j_{sa}^{ik}+1}^{D+l_s}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

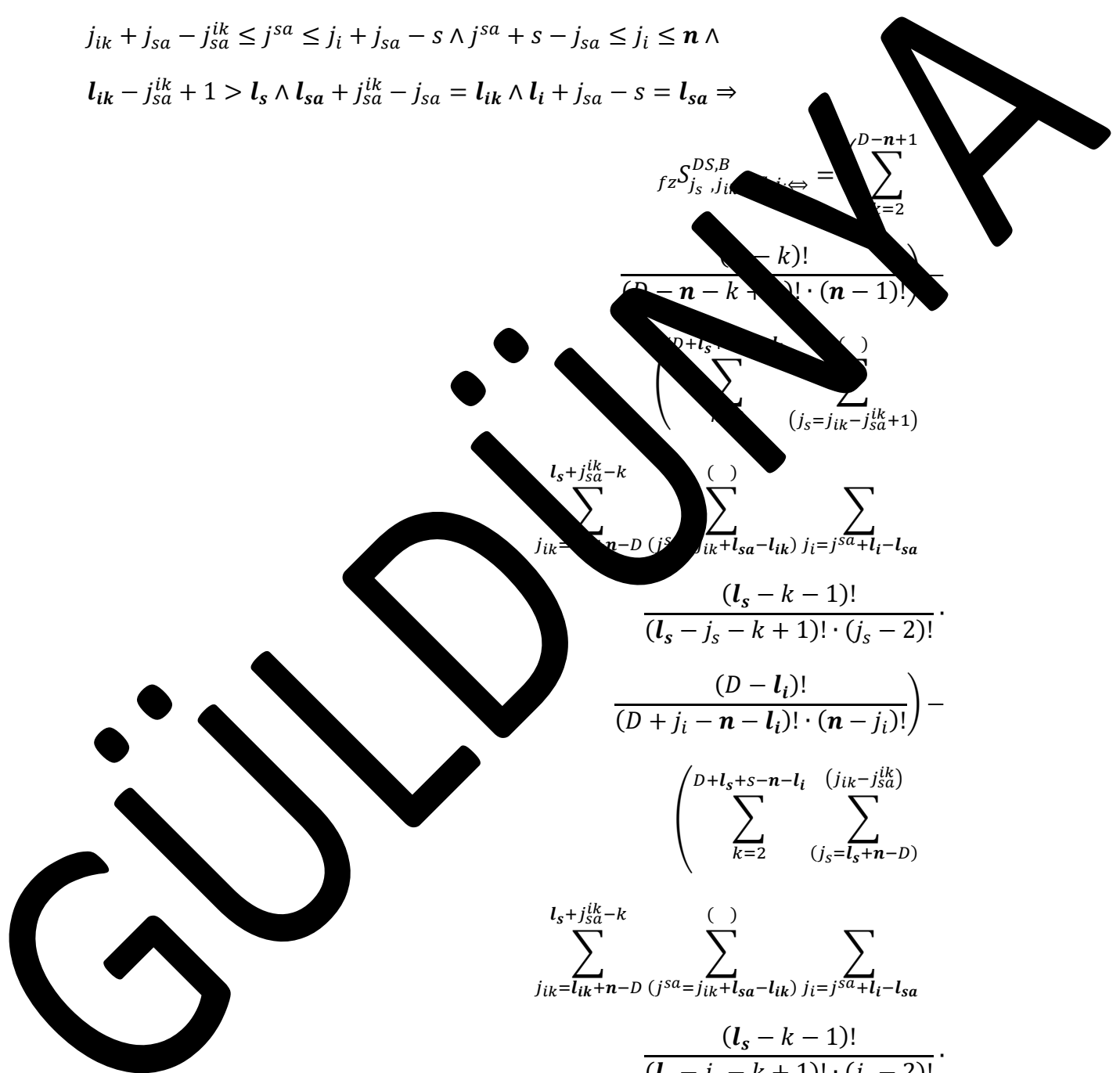
$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s-k+1}{j_s=l_s+n-D} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \binom{l_s-k+1}{j_s=l_s+n-D} \sum_{j_{ik}=l_{ik}+n-k+1}^{l_{ik}-k+1} \binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j \leq j_{ik} - j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_s + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - 1 = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{D-n+1} \right)$$

$$\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s-k+1}{j_s=l_{ik}+n-D-j_{sa}^{ik}+1} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

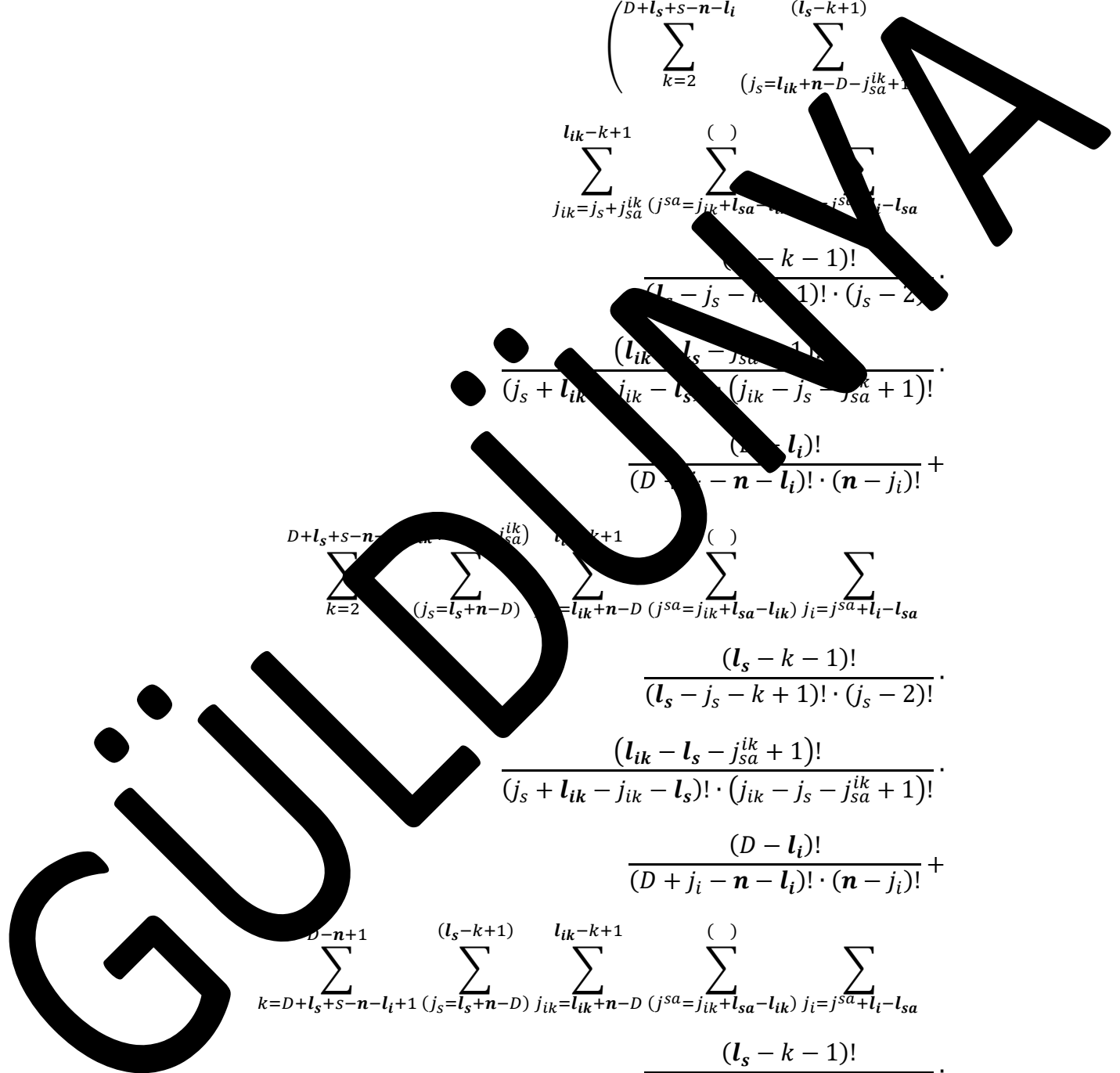
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{(j_i=s+1)} \frac{(l_s - k)!}{(l_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{(j^{sa}=j_{sa})} \sum_{(j_i=s)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{\binom{()}{j_i=s+1}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (l_i - j_i)!} \cdot \frac{\sum_{\binom{()}{j_{ik}=j^{sa}+l_{ik}-l_{sa}}} \sum_{\binom{()}{j^{sa}=j_a}} \sum_{\binom{()}{j_i=s}}}{(D - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{ik}^{ik} \leq j_{ik} \leq j_s + 1 + j_{sa}^{ik} - j_{sa}^{ik} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - j_{sa} - j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{\binom{()}{j_i=s+1}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} = l_{sa} \Rightarrow$$

$$j_{ik}, j_{sa}^{ik}, j_i \Leftrightarrow \sum_{k=2}^{i,l}$$

$$\frac{(D - k)!}{(D - k - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i,l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=s+1}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \frac{\binom{i^l-1}{k-2}}{\sum_{k=2}^{i^l-1} \binom{i^l-1}{k-2} \cdot l_{ik}} \cdot \frac{\sum_{j_{ik}=j^{sa}+l_{ik}-l_s}^{(l_i+j_{sa}-l_s+1)} \sum_{(j^{sa}=j_s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}}{(j_s-k-1)!} \cdot \frac{(j_s-k-1)!}{(j_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+n-l_i)! \cdot (n-j_i)!} \cdot \sum_{k=i^l}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s}^{(\cdot)} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D > n < n \wedge l_s \leq \dots - n +$$

$$1 \leq j_s \wedge j_{ik} - j_{sa}^{ik} + 1 \leq j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (l_i - j_i)!}$$

$$\sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j^{sa}=j_{sa}+1)}^{()} \sum_{j_i=s}^{()}$$

$$\frac{(D - l_i)!}{(D + n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{ik}^{ik} \leq j_{ik} \leq j_s + 1 + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i - j_{sa} - s \wedge j^{sa} - j_{sa} - j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i - j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} = l_{sa} \Rightarrow$$

$$\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

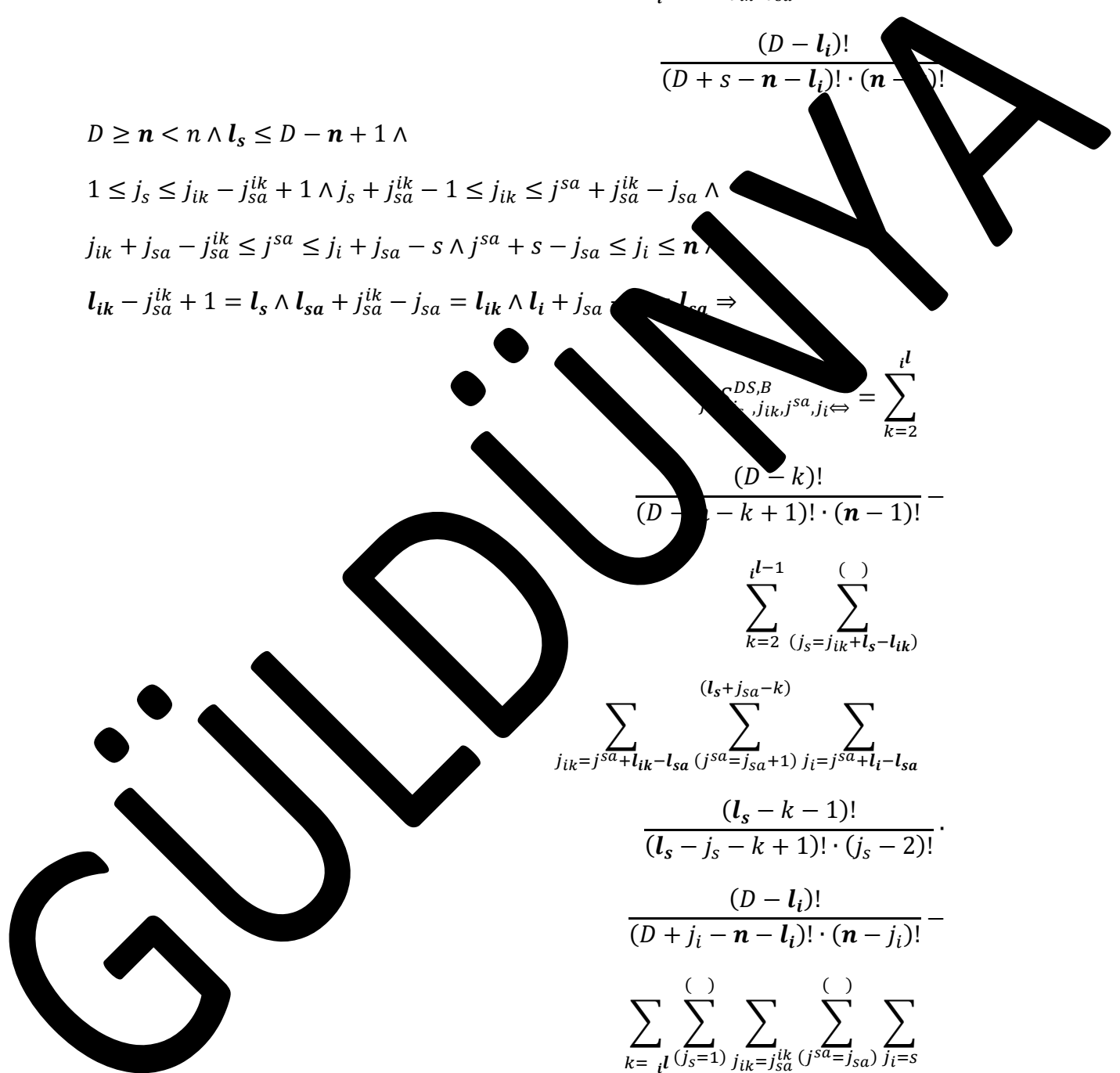
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$



$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{i^{l-1}} \binom{i^{l-1}}{j_s - j_{sa}^{ik}} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_i + j_{sa}^{ik} - k - s + 1} \sum_{j_i = j_{sa}^{ik} + 1}^{j_{sa}^{ik} + 1} \sum_{j_i = j_{sa}^{ik} + 1}^{j_{sa}^{ik} + 1} \sum_{j_i = j_{sa}^{ik} + 1}^{j_{sa}^{ik} + 1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} \sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D > n < n \wedge l_s \leq n - n + 1$$

$$1 \leq j_s \leq l_s - j_{sa}^i + 1, l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^{i^l} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{()} \sum_{(j_s=j_{sa}^{ik})}^{()} \sum_{j_i=s} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - j_{ik} \leq j_i + j_{sa}^{ik} - j_{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=2}^{i^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} = l_{sa} \Rightarrow$$

$$\sum_{k=2}^i \frac{(D - k)!}{(D - k - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

GÜLDÜNYA

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{l=2}^{j_s+s+2} \sum_{(j_s=2)}^{(j_s=2)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=i}^l \sum_{(j_s=1)}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_s=j_{sa})} \sum_{j_i=s}^{(j_s=j_{sa})} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - i + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{i^{l-1} (l_{sa}-k-j_{sa}+2)}{\sum_{k=2} \sum_{(j_s=2)}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \frac{\sum_{\binom{()}{j_{ik}=j_s+l_{ik}-l_s}} \sum_{\binom{()}{j^{sa}=j_{sa}+l_i-l_{sa}}} \sum_{j_i=s}}{(D - l_i)!} \frac{1}{(D + n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{ik}^{ik} \leq j_{ik} \leq j_s + 1 + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i \wedge j_{sa} - s \wedge j^{sa} - j_{sa} - j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \sum_{k=2}^i \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{i^{l-1} (l_{ik}-k-j_{sa}^{ik}+2)}{\sum_{k=2} \sum_{(j_s=2)}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} = l_{sa} \Rightarrow$$

$$j_{ik}, j_{sa}^{ik}, j_i \Leftrightarrow \sum_{k=2}^{i^l} \dots$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \cdot \sum_{j_s=j_{ik}+l_s}^{i-k} \binom{i-k}{j_s} \cdot \sum_{j_{sa}=j_{ik}+l_s-j_s}^{i-k-j_s} \binom{i-k-j_s}{j_{sa}} \cdot \sum_{j_i=j_{sa}-l_{sa}}^{i-k-j_s-j_{sa}} \binom{i-k-j_s-j_{sa}}{j_i} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^i \sum_{j_s=1}^i \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \sum_{j_i=s} \frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!} \right) - \left(\sum_{k=2}^{i-1} \sum_{j_s=j_{ik}+l_s-l_{ik}} \sum_{j_{ik}=j_{sa}+l_{ik}-l_{sa}} \sum_{j_{sa}=j_{sa}+1}^{j_i+j_{sa}-s-1} \sum_{j_i=s+2}^{l_{sa}+j_{sa}-k-s+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\sum_{=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_{sa}+j_{sa}-k-s+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{()} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} - j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge j_{sa}^{ik} + j_{sa} - j_{sa} = j_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+1}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_s)}^{()} \sum_{j_i=1}^{i^l}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+1}^{(j_i - s - 1) l_{ik} + j_s - s + 1} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s+2}^{()} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+1}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=l_{ik}+j_{sa}^{ik}-k-s+2}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_s)}^{()} \sum_{j_i=s+1}^{l_i - i^{l+1}}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}}^{DS} \Leftrightarrow \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{j_s=j_{ik}+l_s-l_{ik}}^{i^{l-1}} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{j_i=s+1}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{()} \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j^{sa}=j_i+l_{sa}-l_i}^{()} \sum_{j_i=s+2}^{l_{ik}+j_{sa}^{ik}-k-s+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{ik}+j_{sa}^{ik}-k-s+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - k - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{s=1}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=1}^{()} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \cdot n < n \wedge l_i \leq D + j_i - n \wedge$$

$$1 \leq j_{ik} \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq j_{sa}^{ik} \wedge l_{ik} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=s+1}^{l_{ik}+j_{sa}^{ik}-k-s+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i)!}{(D + j_i - n - l_i)! \cdot (j_i)!} + \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}-s-1)}^{(\cdot)} \sum_{j_i=s}^{l_{ik}+j_{sa}^{ik}-k-s+1} \right) \\
 & \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\cdot)} \sum_{j_i=s+2}^{l_{ik}+j_{sa}^{ik}-k-s+1} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_{ik}+j_{sa}^{ik}-k-s+2}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}
 \end{aligned}$$

GÜLDENWA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_{ik}=j_{sa}^{ik}+1} \frac{j^{sa}+j_{sa}^{ik}-j_{sa}-1}{(j^{sa}=j_i+j_{sa}-s)} \binom{()}{j_i=s+2} \sum_{j_i=s+2}^{l_{ik}+j_{sa}^{ik}-k-s+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (l_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik} - j_{ik} - j_s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{(l_{sa} - i^{l+1}) l_i - i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq l_i \leq n \wedge l_i \leq D + j_i - n \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_s - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_s = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=0}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \left. \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_i=0}^{l_s+s-k} \sum_{(j^{sa}=j_{sa}+1)}^{(\cdot)} \sum_{j_i=s}^{l_s+s-k} \right) \right. \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_i=0}^{l_s+s-k} \sum_{(j^{sa}=j_{sa}+1)}^{(\cdot)} \sum_{j_i=s+2}^{l_s+s-k} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\cdot)} \sum_{j_i=l_s+s-k+1}^{l_s+j_{sa}-k} \sum_{l_i-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDÜZÜMÜŞ

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} \Rightarrow$$

$$f_{z^s, j_{sa}^{ik}, j_{sa}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=s+1}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=s+2}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=s+2}^{l_i-k} \frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=1}^{i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=s+1}^{l_i-i^{l+1}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D - n < l_i \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{sa}^{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = \dots - j_{sa}^{ik} + 1)} \right)$$

$$\sum_{j_{ik} = j^{sa} + l_{ik} - l_{sa}} \sum_{(j_i = \dots + s - k)} \dots$$

$$\frac{(l_s - \dots - 1)!}{(l_s - j_s - \dots - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \dots - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s = 1)} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})} \sum_{j_i = s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^l} \sum_{(j_s = 2)}^{k - j_{sa}^{ik}} \sum_{j_{ik} = j^{sa} + l_{ik} - l_{sa}} \sum_{(j^{sa} = j_i + l_{sa} - l_i)} \sum_{j_i = s+2}^{l_s + s - k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s = 2)}^{(l_s - k + 1)} \sum_{j_{ik} = j^{sa} + l_{ik} - l_{sa}} \sum_{(j^{sa} = j_i + l_{sa} - l_i)} \sum_{j_i = l_s + s - k + 1}^{l_i - k + 1}$$

GÜLDÜNYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_s=j_{ik}+l_{sa}-l_i)}^{()} \sum_{i=s+1}^{l_i-i+1}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq j_i + j_{sa}^{sa} + s - j_s \leq j_i \leq j_{sa}^{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} > l_{ik} \wedge j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{i=s+1}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} +$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}-s)}^{()} \sum_{j_i=s+2}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(j_s - k - 1)! \cdot (j_s - 2)!} +$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} +$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} +$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} +$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^a=j_i+j_{sa}-s)}^{()} \sum_{j_i=s+2}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_s=j_{sa})}^{(l_{sa}-i)} \sum_{j_i=i}^{l_i-i+1} \sum_{j_i=s+1}^{l_i-i+1}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i - j_{sa})!}{(j^{sa} + j_{sa}^{ik} - j_i - l_{sa} - 1)! \cdot (j_i + j_{sa}^{ik} - l_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(\cdot)} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\cdot)} \sum_{j_i=s+1}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=1)}^{(j_s=2)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=j_{sa})}^{(j_{sa}=j_{sa})} \sum_{j_i=}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}}^{(j_i+j_{sa}-s)} \sum_{(j_{sa}=j_{sa}+1)}^{(j_{sa}=j_{sa}+1)} \sum_{j_i=s+2}^{(j_i=s-k)} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZ

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=s+2}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i} \sum_{(j_s=1)} \sum_{j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{(l_{sa}-k)} \frac{(l_{sa}-k)!}{(j_s - l_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}{(l_i - j_{sa} - l_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} + j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} + j_{sa}^{ik} - l_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i-1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=s+1}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)^{i-1}}$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)} \sum_{j_{ik}=j_s} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=s}$$

$$\frac{(l_s - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{j_{sa}^{ik}+1} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=s+2}^{l_s+s-k} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s - l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{l_s-k+1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_s+s-k}^{j_i=s+2}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_s - k + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i^l} \sum_{\binom{()}{j_s=2}} \sum_{\binom{()}{j_{ik}=j_{sa}^{ik}}} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_i-i^{l+1}}^{j_i=s+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_{ik} + l_s - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \cdot n < n \wedge \dots \leq D + j_i \dots n \wedge$

$1 \leq j_{ik} \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 \leq j_{sa}^{ik} \wedge j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right) \\
 & \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{sa})}^{()} \sum_{(j_{ik}=j^{sa}+l_{sa}-j_i)} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right) \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} - \\
 & \left(\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{sa})}^{()} \sum_{j_{ik}=j^{sa}+l_{sa}-j_i} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{i^{l-1}} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i^{l+1}} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} +$$

$$\left(\sum_{k=2}^{l-1} \binom{l-1}{k} \sum_{(j_s=j_{ik}+l_s-k)} \right)$$

$$\sum_{j_{ik}=j^{sa}-l_{sa}} \sum_{(j_s=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

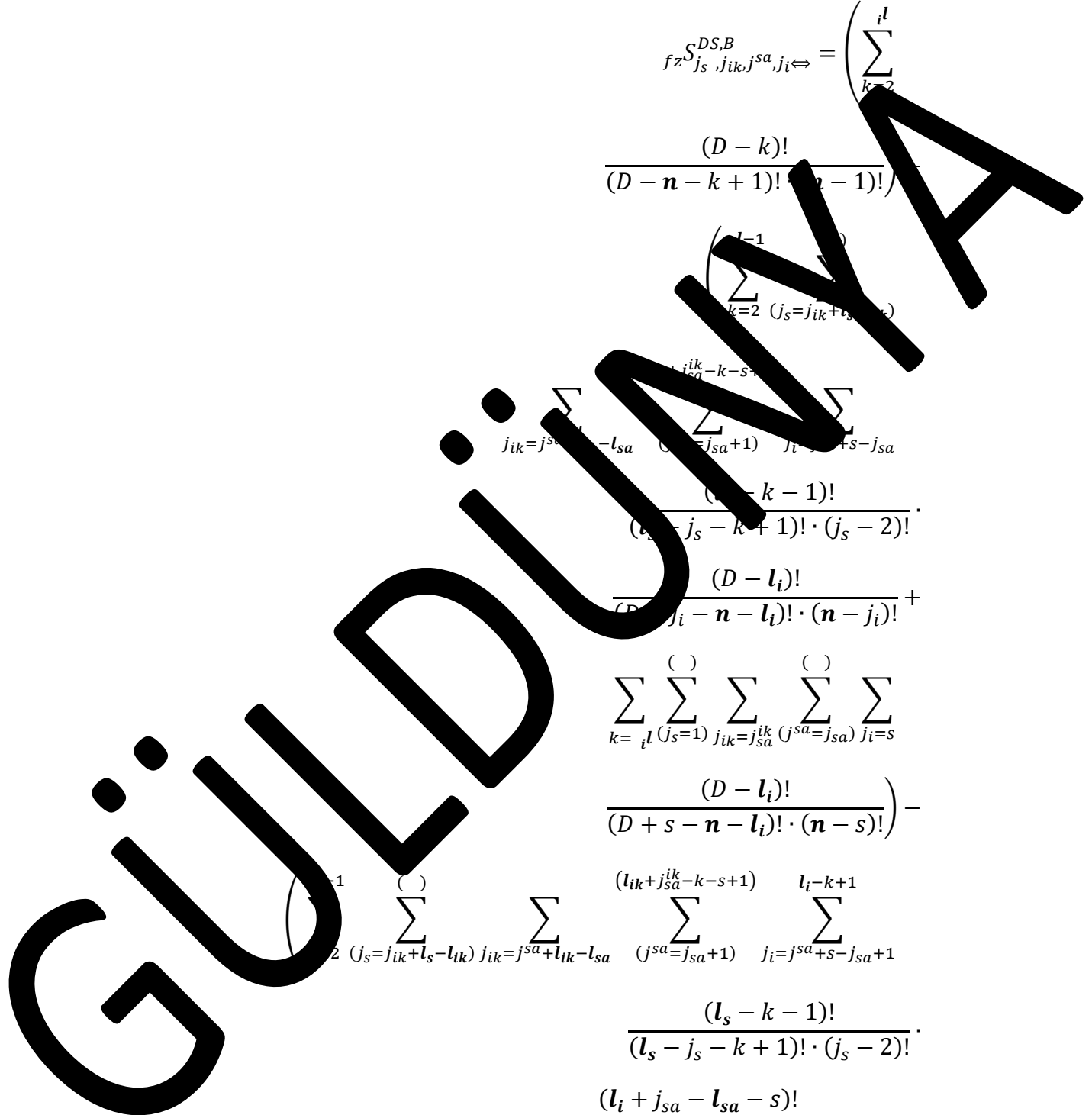
$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} \Rightarrow$$

$$f_{z^s, j_{sa}^{ik}, j^{sa}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_{sa}+2)}^{(l_{ik}+j_{sa}^{ik}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right. \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \qquad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}+2)}^{(l_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \qquad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \right. \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \qquad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < l_i \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq l_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s = \dots + l_s - l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \binom{(l_{ik} + j_{sa}^{ik} - k)}{\quad} \binom{(\quad)}{\quad} \binom{(\quad)}{\quad} \binom{(\quad)}{\quad} \binom{(\quad)}{\quad}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{l_i} \sum_{(j_s = 1)} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})} \sum_{j_i = s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(k + l_s - l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik} = j_{sa}^{ik} + 1} \sum_{(j^{sa} = j_{sa} + 1)} \sum_{j_i = j^{sa} + s - j_{sa} + 1} \binom{(l_{ik} + j_{sa}^{ik} - k - s + 1)}{\quad} \binom{(l_i - k + 1)}{\quad} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}^{ik}-k-s+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-l_{ik}-k-s+1} \sum_{(j^{sa}=l_{sa}+j_{sa}^{ik}-k-s+1)}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{()} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=j_{sa})}^{l_i-i^{l+1}} \sum_{j_i=s+1}^{()} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{i=j_{ik}+l_{sa}-l_{ik}}^{i_l-1} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}+1} \sum_{j_{sa}=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i_l} \sum_{j_s=1}^{i_l} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i_l} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=j_{sa}+1)} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i_l} \sum_{j_s=1}^{i_l} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{l_i-i_l+1} \sum_{j_i=s+1}$$

GÜLDÜZMAYA

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_i}^{D, j_{sa}^{ik}, j_i} = \binom{l_i}{k=2} -$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i l} \sum_{(j_s = j_{ik} + l_s - l_{ik})}^{()} \right)$$

$$\sum_{k=j^{sa} + j_{sa}^{ik} - j_{sa}}^{(l_s + j_{sa} - k)} \sum_{(j^{sa} = j_{sa} + 1)} \sum_{j_i = j^{sa} + l_i - l_{sa}}$$

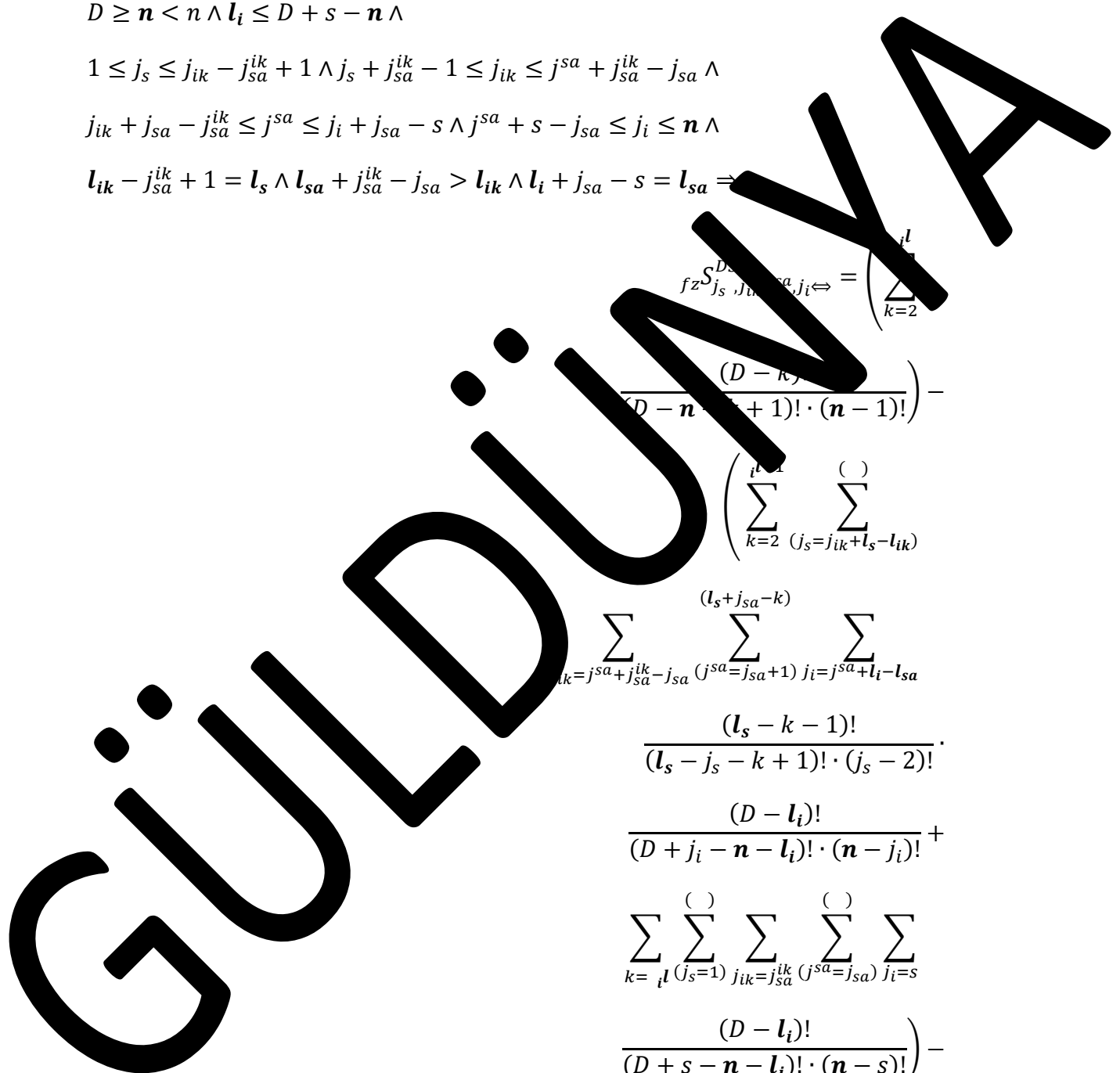
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i l-1} \sum_{(j_s = j_{ik} + l_s - l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa} + j_{sa}^{ik} - j_{sa} - 1} \sum_{(j^{sa} = j_{sa} + 2)}^{(l_s + j_{sa} - k)} \sum_{j_i = j^{sa} + l_i - l_{sa}} \right)$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_{sa}=l_s+j_{sa}^{ik}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{(j_s=1)} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{(j_{sa}=j_{sa}+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge n \wedge l_i \leq D + 1 - n \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j_{sa}, j_i}^{\Leftrightarrow} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{ik}+l_i} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{sa}^{ik}+1)}^{(\cdot)} \sum_{(j_s=j_{sa}^{ik}+1)}^{(\cdot)} \sum_{j_i=s} \right) \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{sa}^{ik}+1)}^{(j_{ik}-k)} \sum_{(j_s=j_{sa}^{ik}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDENWA

$$\sum_{k=i}^l \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - j_{sa} > l_{ik}$$

$$f_{Z_{j_s}^B} j_{sa}, j_i \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right. \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \qquad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \qquad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left. \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s-j_{sa}+1)}^{(l_s-j_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \right) \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \qquad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \qquad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left. \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_{sa}+2)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}} \right) \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \qquad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDENYA

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa}-i^{l+1})} \sum_{j_i=s+1}^{l_i-i^{l+1}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq j_{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$$

$$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{j_{ik}=j^{sa} + l_{ik} - l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s + j_{sa} - k)} \sum_{j_i=j^{sa} + s - j_{sa} + 1}^{l_i - k + 1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) + \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s - k + 1)} \sum_{j_{ik}=j^{sa} + l_{ik} - l_{sa}} \sum_{(j^{sa}=j_{sa} + j_{sa} - k + 1)}^{(l_{sa} - k)} \sum_{j_i=j^{sa} + s - j_{sa}}^{l_i - k + 1} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik})} \sum_{j_{ik}=j^{sa} + l_{ik} - l_{sa}} \sum_{(j^{sa}=j_{sa} + 2)}^{(l_s + j_{sa} - k)} \sum_{j_i=j^{sa} + s - j_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +
 \end{aligned}$$

GÜLDENYA

$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa})}^{(l_{sa}-i^{l+1})} \sum_{j_i=s+1}^{l_i-i^{l+1}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i - j_{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$$

$$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=0}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\begin{aligned}
 & \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) - \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} j^{sa+j_{sa}^{ik}-j_{sa}-1} (l_s+j_{sa}-k) \right. \\
 & \quad \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j^{sa}=j_{sa}+2)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_s-k+1)} l_{ik}^{-k+1} (l_{sa}-k) \right. \\
 & \quad \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j^{sa}=j_{sa}+j_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) + \\
 & \left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right. \\
 & \quad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \quad \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +
 \end{aligned}$$

GÜLDENMAYA

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i+1} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} - j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_i - n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_i - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s > \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s} \frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (l_i - k - 2)!} \cdot \frac{(l_i + j_{sa} - l_s - s)!}{(j^{sa} + l_i - j_{sa} - s)! \cdot (j_i + l_i - j^{sa} - s)!} \right) -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$D \geq n < n \wedge l_i = D + s - l_{sa} \wedge$$

$$1 \leq j_{sa} \leq j_{ik} - j_{sa}^{ik} + j_{sa} \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s}^{(\cdot)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left. \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s}^{(\cdot)} \right) \\
 & \frac{(D - l_i)!}{(D + s - l_i)! \cdot (n - s)!} - \\
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{sa}-j_{sa}+1)}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{i^{l-1}} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{lk}}^{(\cdot)} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=s+1}^{l_i-i^{l+1}} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{lk} + 1 \wedge j_s + j_{sa}^{lk} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{lk} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} +$$

$$\left(\sum_{k=2}^{i^l-1} \binom{i^l-1}{k} \sum_{(j_s=j_{ik}+l_s-k)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \binom{l_{ik}-k+1}{j_{sa}^{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j_i=l_i-l_{sa}}^{l_i-l_{sa}}$$

$$\frac{(i^l - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^l-1} \binom{i^l-1}{k} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} +$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{()}{l}} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} > l_{ik}$$

$$fz_{j_s}^B \cdot j_{sa}, j_i \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_s} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{()}{l}} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \right. \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \qquad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \qquad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left. \sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right) \\
 & \qquad \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \qquad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \qquad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=j_{sa})}^{l_i-i^{l+1}} \sum_{j_i=s+1}^{()} \\
 & \qquad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \qquad \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \qquad \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)
 \end{aligned}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{i=j_{ik}+l_s-l_{ik}}^{i_l-1} \binom{i_l-1}{i} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j_{sa}=j_{sa}^{ik}+1}^{l_s-l_{ik}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}^{j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i_l}^{i_l} \sum_{j_s=1}^{j_s} \sum_{j_{ik}=j_{sa}^{ik}}^{j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{j_{sa}} \sum_{j_i=s}^{j_i}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i_l} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{j_s} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j_{sa}=j_{sa}^{ik}+1}^{l_s-l_{ik}} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}+1}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i_l}^{i_l} \sum_{j_s=1}^{j_s} \sum_{j_{ik}=j_{sa}^{ik}}^{j_{sa}^{ik}} \sum_{j_{sa}=j_{sa}}^{j_{sa}} \sum_{j_i=s+1}^{l_i-i_l+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$

$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{D, l_i, l_{sa}, l_{sa}^{ik}} = \binom{l_i}{\sum_{k=2}^l}$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$

$\sum_{ik=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

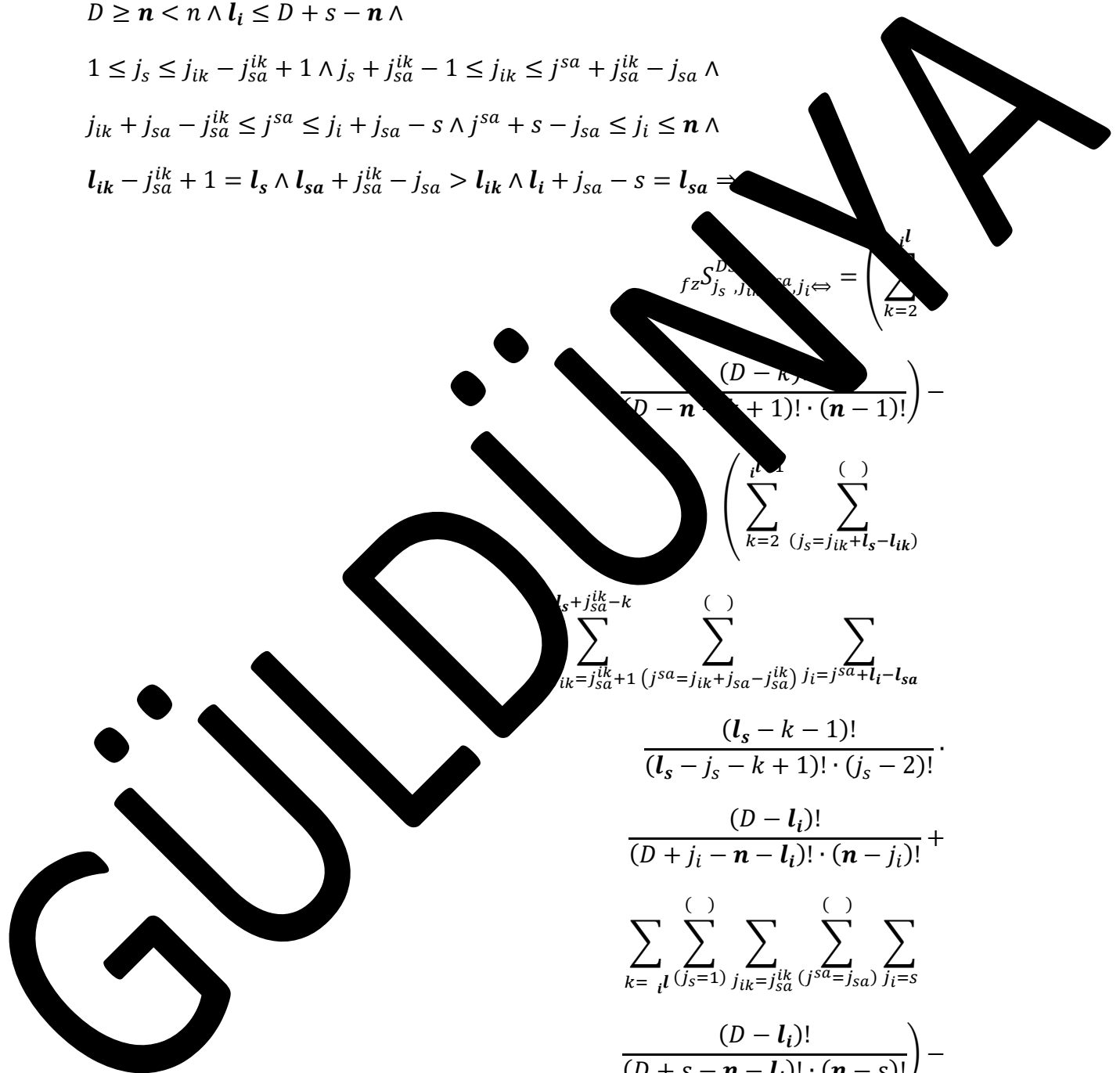
$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$

$\sum_{k=i^l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$

$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$

$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \sum_{k=2}^{i^l} \sum_{(j_s=1)}^{(l_{sa} - i^{l+1})} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{sa} - l_{ik} - j_{sa} + 1)} \sum_{j_i=j_{sa}^{ik} - l_i - l_{sa}}^{(j_{sa} - l_{ik} - j_{sa} + 1)} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa}^{ik})!} \cdot \frac{(D - n - l_i - j_i)!}{(D - n - l_i - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa}^{ik} \leq j_i \leq j_{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(l_{sa} - i^{l+1})} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s + j_{sa}^{ik} - k} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{(l_{sa} - i^{l+1})} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} +$$

$$\left(\sum_{k=2}^{l-1} \sum_{(j_s=2)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+2}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j_{sa}^{ik}-l_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{l-1} \sum_{(j_s=2)}^{()} \sum_{j_{ik}=j_{sa}^{ik}-k+1}^{l_{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}^{ik}, j_i}^{DS, B} = \left(\sum_{k=2}^{(D-n)} \right)$$

$$\frac{\binom{D-n}{k+1} \binom{D-n}{k+1}}{(D-n-k+1)! \cdot (k+1)!} -$$

$$\left(\sum_{k=2}^{(D-n)} \sum_{l_s=l_{ik}}^{(D-n-k+1)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}} \sum_{j_{sa}^{ik}=k+j_{sa}-j_{sa}^{ik}}^{(D-n-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{(D-n-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{(D-n)} \sum_{j_s=1}^{(D-n-k+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(D-n-k+1)} \sum_{j^{sa}=j_{sa}}^{(D-n-k+1)} \sum_{j_i=s}^{(D-n-k+1)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{(D-n-k+1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(l_s+j_{sa}^{ik}-k)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{(j_i=j^{sa}+s-j_{sa}+...)}^{(l_i-k+1)} \frac{(l_s - k - ...)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik} - j_{ik} - j_s)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq j_s \leq n \wedge l_i \leq s - n \wedge$$

$$1 \leq j_s \leq j_{sa} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=1)}^{()} \sum_{j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+l_{sa}+j_{sa}^{ik}-k)} \sum_{j_{sa}^{ik}+1}^{()} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+2}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(j_i)} \sum_{j_i=j^{sa}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - k)!}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(j_i)} \sum_{j_i=s+1}^{l_i-i+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq i \leq n \wedge l_i \leq s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_i)!}{(l_{ik} - j_{ik} - l_s)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)+j_{sa}^{ik}-k} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{ik}+2}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - j_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - k - 1)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{(j_s=1)}^{(l_{ik}-i+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D > n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\left. \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{(j_i=j^{sa}+s-j_{sa})} \binom{(\quad)}{\quad}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i - l_j)!}{(l_i + j_{sa} - l_{sa} - s)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{l=1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\left. \frac{(D - l_i)!}{(D + \quad - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2} \sum_{(j_s=2)}^{(l_{sa}-k-j_{sa}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{(j_i=j^{sa}+s-j_{sa}+1)} \binom{(\quad)}{\quad} \sum_{j_i=s+1}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{l=1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{lk}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{(D-n)} \right)$$

$$\frac{(D-n-k+1)! \cdot (n-j_i)!}{(D-n-k+1)! \cdot (n-j_i)!} -$$

$$\left(\sum_{k=2}^{l_{ik}-k-j_{sa}^{ik}+2} \sum_{j_s=2}^{j_s} \right)$$

$$\sum_{j_s=l_{ik}-l_s}^{j_s} \sum_{j_{ik}=j_{sa}+l_{ik}}^{j_{ik}} \sum_{j_i=j^{sa}+s-j_{sa}}^{j_i}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

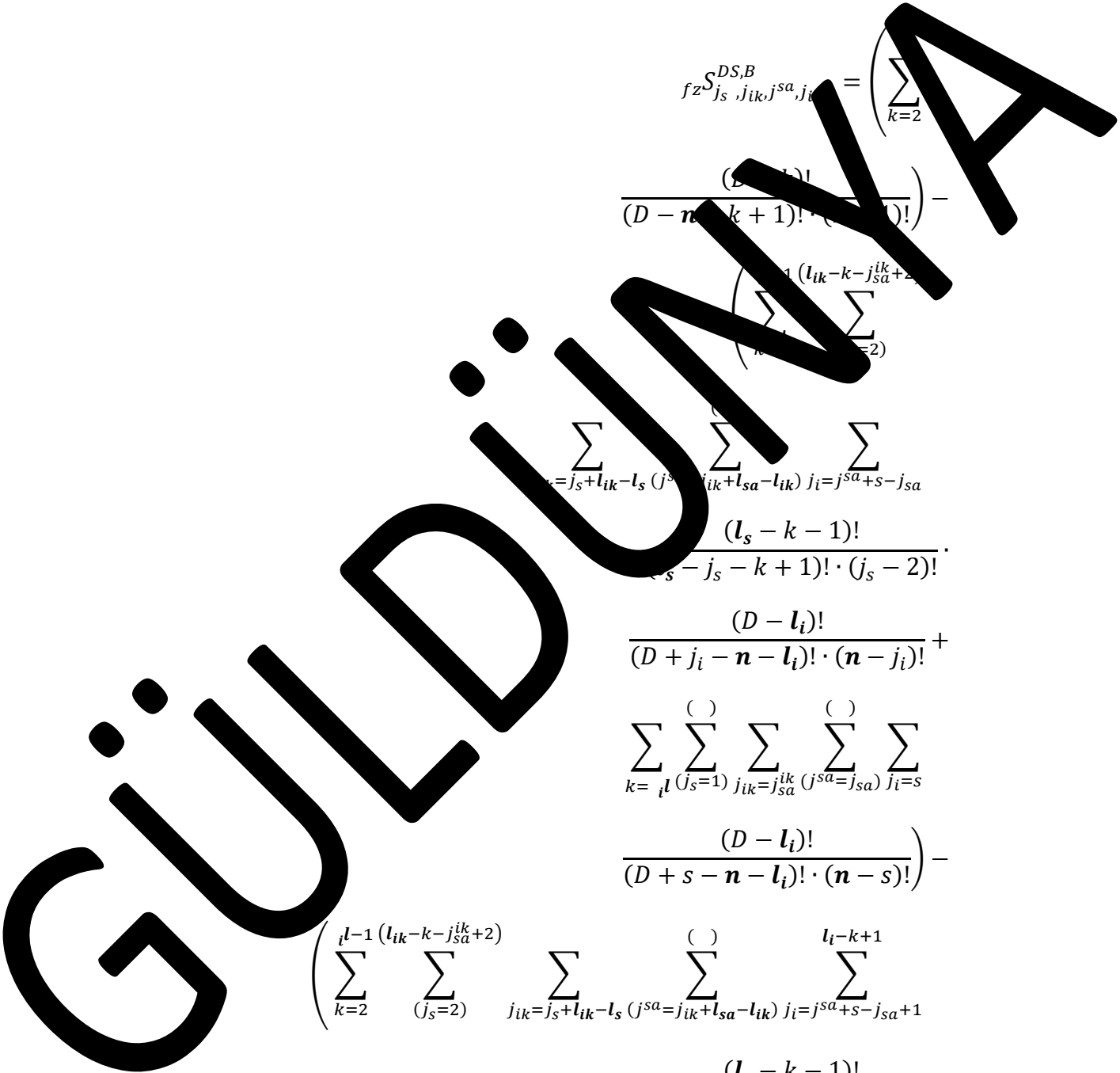
$$\sum_{k=2}^{(D-n)} \sum_{j_s=1}^{(j_s)} \sum_{j_{ik}=j_{sa}^{ik}}^{(j_{ik})} \sum_{j^{sa}=j_{sa}}^{(j^{sa})} \sum_{j_i=s}^{(j_i)}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{l-1} \sum_{j_s=2}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_{ik})} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}}^{(j^{sa})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s+1}^{l_i - i + 1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - j_{sa} \leq j_i - n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \leq l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$$

$$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=s}$$

$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(i)} \sum_{(j_s=2)}^{(i-k+1)} \sum_{(j_{sa}^{ik}=j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_s \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa+s}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=0}^{i-1} \sum_{\binom{(\cdot)}{j_s=1}} \sum_{\binom{(\cdot)}{j_{ik}=j_s}} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=s}$$

$$\frac{(l_s - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{\binom{(\cdot)}{j_s=2}} \sum_{\binom{(\cdot)}{j_{ik}=j_s+l_{ik}-l_s}} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik+1}}} \sum_{j_i=j^{sa+s}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} + j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i-1} \sum_{\binom{(\cdot)}{j_s=2}} \sum_{\binom{(\cdot)}{j_{ik}=j_s+l_{ik}-l_s}} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa+s}-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{()}{l}} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s+1}^{(l_{sa}-i^{l+1})l_{i-i^{l+1}}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_i \leq D + s - n \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_i - j_{sa} \leq j_i - j_{sa} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$

$\sum_{j_s, j_{ik}, j^{sa}, j_i \Leftrightarrow}^{DS,B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$

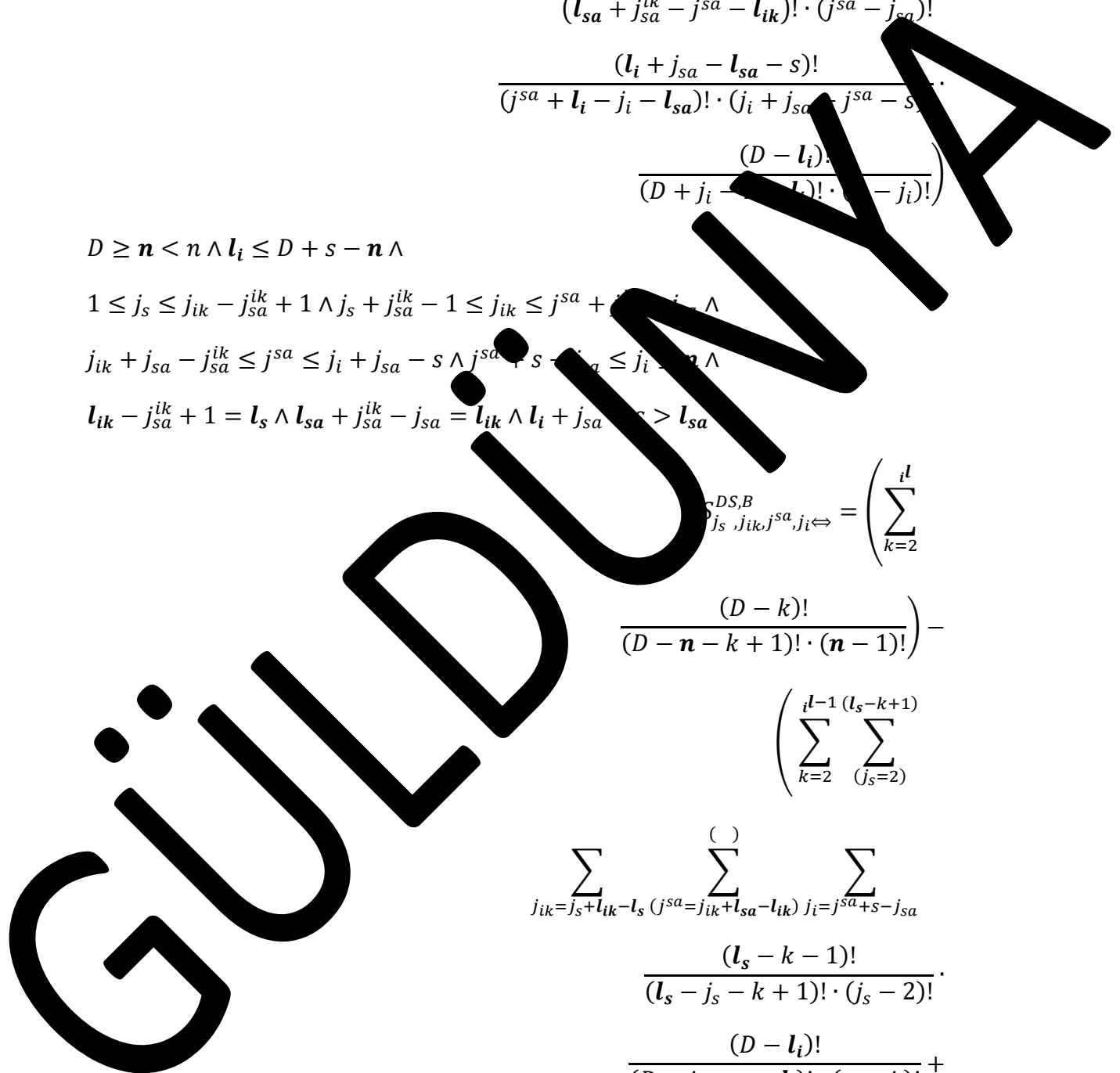
$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \right)$

$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$\sum_{k=i}^{\binom{()}{l}} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$



$$\left(\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} - \left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\cdot)}{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (l_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \sum_{k=1}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\cdot)}{(j^{sa}=j_{sa})}} \sum_{j_i=s+1}^{l_i-i^{l+1}} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) \right)$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - j^{sa} \leq j_i \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge j_{sa}^{ik} + j_{sa} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=2}^{i-1} \sum_{\binom{()}{j_s=2}} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik+1}}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i}^l \sum_{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{\binom{()}{j^{sa}=j_{sa}+1}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_{i \leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{ik})} \sum_{j_i=j^{sa}+l_i}$$

$$\frac{(l_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

GÜLDÜZÜMÜYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j_i}^{DS}} = \binom{l}{\sum_{k=2}^l}$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_s + l_{ik} - l_s}^{()} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

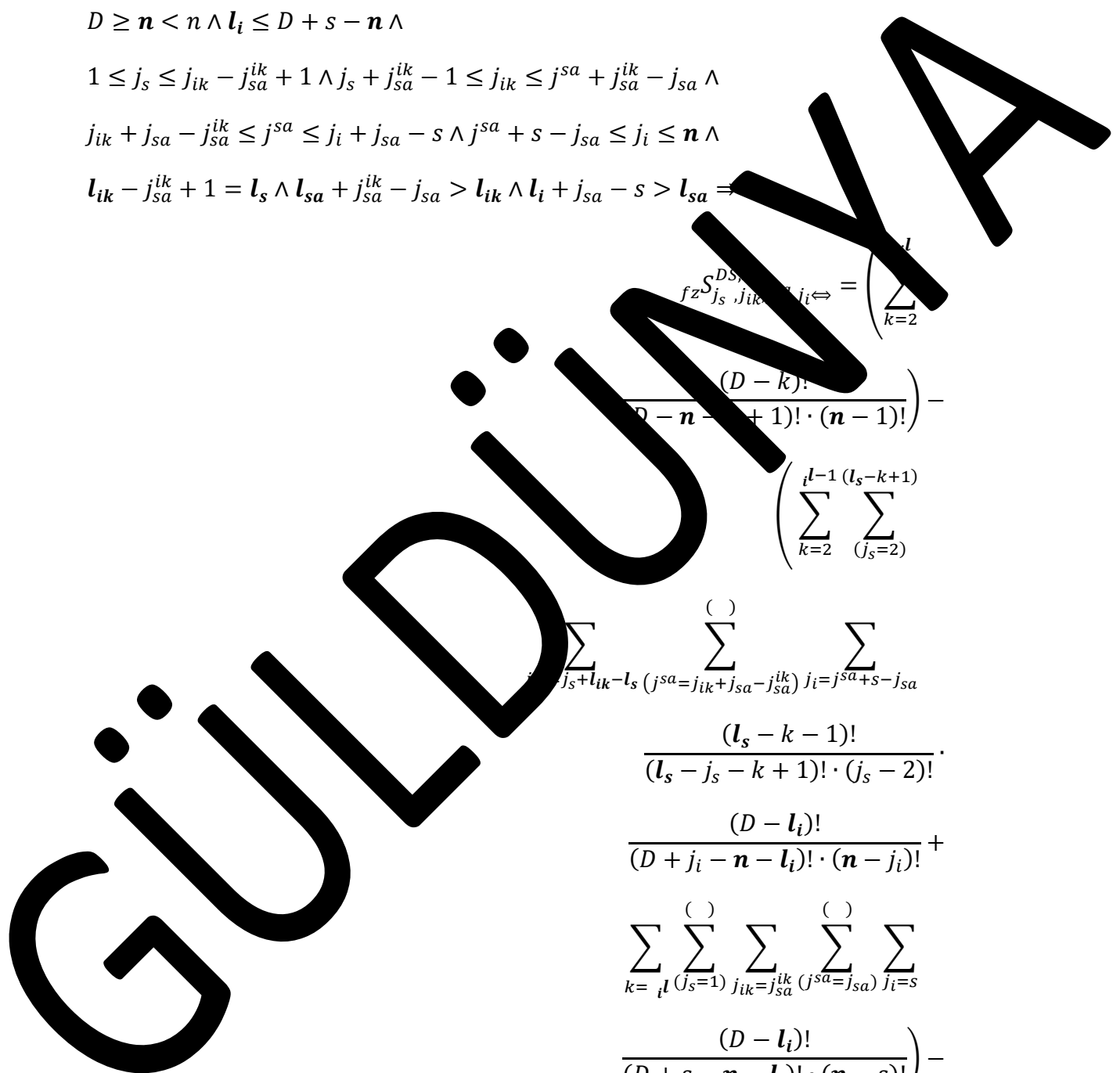
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})} \sum_{j_i = s}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik} = j_s + l_{ik} - l_s} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1)} \sum_{j_i = j^{sa} + s - j_{sa}}^{l_i - k + 1} \right)$$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{()}{j^{sa}=j_{ik}+j_{sa}-l_s}} \sum_{\binom{()}{j_i=j^{sa}+s-j_{sa}}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l}^{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{\binom{()}{l_{sa}-i^{l+1}}} \sum_{l_i-i^{l+1}} \sum_{j_i=s+1} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < r \wedge l_i \leq D + s - n \wedge$$

$$1 - j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_{i \Leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{lk-1} (j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s} \binom{(\quad)}{\quad}$$

$$\frac{(l_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik} (j^{sa}=j_{sa})} \sum_{j_i=s} \binom{(\quad)}{\quad}$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!} -$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{(j_s=2)} \sum_{j_{ik}=j_s+j_{sa}^{lk-1} (j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_{ik}-k+1} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{lk} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{lk} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜZÜMÜYA

$$\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}^{l_i-k+1}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=s+1}^{l_i+1}$$

$$\frac{(l_s - j_s - k + 1)!}{(l_s - j_s - k + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_i + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_{ik} \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_i \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} + j^{sa} \leq j_i \leq j_{sa} - s + j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge j_{sa}^{ik} + j_{sa}^{ik} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1} \sum_{\binom{()}{j_s=1}} \sum_{\binom{()}{j_{ik}=j_s}} \sum_{\binom{()}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=s}$$

$$\frac{(l_s - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left(\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{\binom{()}{j_s=2}} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j_{sa}+l_i-l_{sa}} \right)$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} - l_s - j_{sa}^{ik} + 1)!}{(j_s - l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

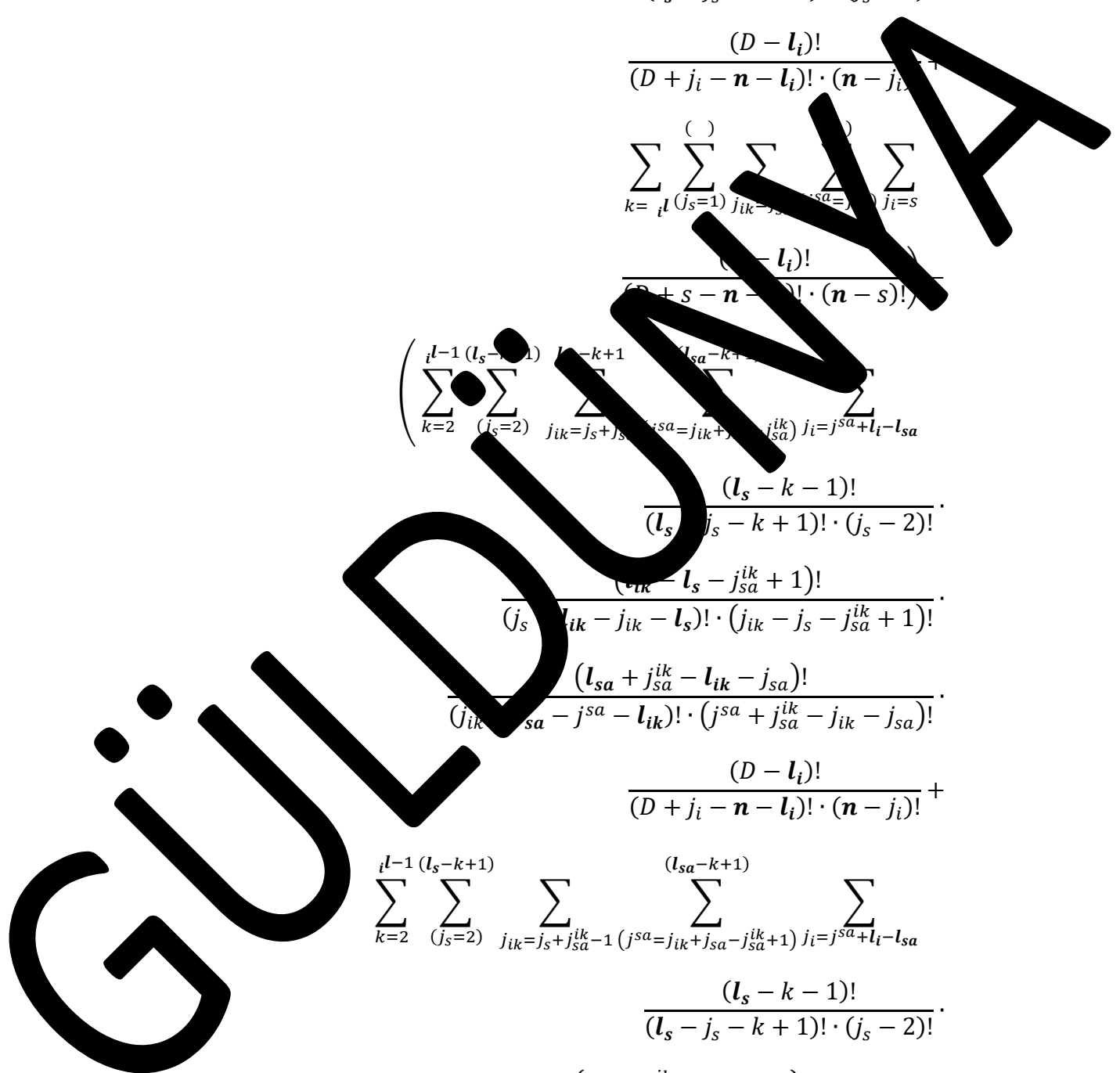
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{i^{l-1} (l_s - k + 1)} \sum_{\binom{()}{j_s=2}} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{\binom{()}{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$



$$\sum_{k=2}^i \sum_{j_s=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-i+1} \sum_{j^{sa}=j_{sa}+1}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s \leq j_i \leq j_{sa} + s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{j^{sa}=j_i+j_{sa}-s}^{()} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=j_{ik}+l_s-l_{ik}}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)l_{sa}+s-k-j_{sa}+1} \sum_{j_i=l_i+n-D} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{l=1}^{l_i} \sum_{(j_s=D+l_s+s-n-l_i+l)}^{(\cdot)} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+n-l_i} \frac{\binom{D+l_s+n-l_i}{k}}{\sum_{j_s=j_{ik}+l_s-l_{ik}} (j_s=j_{ik}+l_s-l_{ik})} \right) -$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{j_i+j_{sa}=s} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \left(\sum_{k=2}^{D+l_s+n-l_i} \sum_{j_s=j_{ik}+l_s-l_{ik}} \binom{D+l_s+n-l_i}{k} \binom{D+l_s+n-l_i}{j_s} \right) -$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{j^{sa}=j_{sa}+1}^{(j_i+j_{sa}-s-1) l_{ik}+s-k-j_{sa}^{ik}+1} \sum_{j_i=l_i+n-D} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDÜNYA

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}} \sum_{(j^{sa}=j_{sa})}^{(l_{ik}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{j_i+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!})$$

$$D \geq i < n \wedge l_s = i - n + 1 \wedge$$

$$1 \leq j_s \leq j_i + j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_i + j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{lk}-j_{sa}}^{(\cdot)} \sum_{(j^{sa}=j_i+l_s-l_i)}^{(\cdot)} \sum_{j_i=l_i+n}^{l_{ik}+s-j_{sa}^{lk}+1}$$

$$\frac{(l_s - j_s - 1)!}{(l_s - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\sum_{k=2}^{D-l_i} \sum_{(j_i+l_i-n-l_i)}^{(\cdot)} \right) -$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right)$$

$$\sum_{i_{ik}=j_{sa}^{lk}+1}^{j_{sa}^{lk}-j_{sa}-1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{lk}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{lk}+2}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜZYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{l_{ik}-k+1}^{j_{ik}=j_{sa}^{ik}+1} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_i-k+1}^{j_i=l_i+n-l_i} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - k - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{i-1} \sum_{\binom{()}{j_s=1}} \sum_{l_{ik}-k+1}^{j_{ik}=j_{sa}^{ik}+1} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_i-k+1}^{j_i=l_i+n-D}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D + n < n \wedge l_i \leq D - l_s + 1 \wedge$$

$$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_i \wedge l_{ik} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D - s - 1 < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \right) \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{(\quad)}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \right) \\
 & \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{(\quad)}{(j^{sa}=l_{sa}+n)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{j^{sa}=l_{sa}+n-D}^{(l_{sa}-k+1)} \sum_{j_i=l_{ik}+s-k-j_{sa}^{ik}+2}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

GÜLDÜZMAYA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^a+j_{sa}^{ik}-j_{sa}-1} \binom{(\quad)}{\quad} \sum_{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-k-j_{sa}^{ik}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l} \sum_{(j_s=1)} \binom{(\quad)}{\quad} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)
 \end{aligned}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS,B} = \left(\sum_{k=2} \right)$$

$$\frac{\binom{D-l_i}{k+1}}{(D-n-k+1)! \cdot (n-j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{k+1} \sum_{j_i=l_i+n-D}^{j_i+l_s-l_{ik}} \binom{D+l_s+s-n-l_i}{j_i+l_s-l_{ik}}$$

$$\sum_{j_{ik}=j_{sa}+l_{ik}} \binom{D+l_s+s-n-l_i}{j_{ik}} \sum_{j_{sa}=j_i+j_{sa}-s}^{j_{sa}=j_i+j_{sa}-s} \sum_{j_i=l_i+n-D}^{j_i+l_s-l_{ik}} \binom{D+l_s+s-n-l_i}{j_i+l_s-l_{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{D+l_s+s-n-l_i}{k+1} \sum_{j_s=j_{ik}+l_s-l_{ik}} \binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}} \right)$$

$$\sum_{j_{ik}=j_{sa}+l_{ik}-l_{sa}} \binom{D+l_s+s-n-l_i}{j_{ik}} \sum_{j_{sa}=j_{sa}+1}^{j_i+j_{sa}-s-1} \sum_{j_i=l_i+n-D}^{j_i+l_s-l_{ik}} \binom{D+l_s+s-n-l_i}{j_i+l_s-l_{ik}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=j_{sa}+1)}^{(l_s+j_{sa}-k)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j_{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j_{sa}-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_i+j_{sa}-l_{sa}-s)!}{(l_i+j_{sa}-j_i-l_{sa})! \cdot (j_i-s)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq i \leq n \wedge l_s \leq n+1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_s + j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_{i \Leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_s-k}$$

$$\frac{(l_s - j_s - 1)!}{(l_s - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜMÜYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{\binom{()}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{l_s+j_{sa}^{ik}-k}^{l_s+j_{sa}^{ik}-k} \sum_{\binom{()}{j^{sa}=j_i+l_{sa}-l_i}} \sum_{l_i-k+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (k - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=1}^{i-1} \sum_{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{j^{sa}=j_i+l_{sa}-l_i} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D + n < n \wedge l_i \leq D - l_s + s - 1 \wedge$

$1 \leq j_{ik} - j_{sa}^{ik} \leq l_s + j_{sa}^{ik} - 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 \leq l_i \leq l_{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + s - l_i < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right) \\
 & \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_s+s-k} \right) \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_s+s-k+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1}
 \end{aligned}$$

GÜLDÜZMAYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=j_i+l_s-l_i)}^{()} \sum_{j_{ik}+n-D}^{l_i-i+1}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)!}{(l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_s \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_s \wedge j_i + j_{sa} - j_s \leq j_i \leq j_{sa} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa} - j_{sa} > l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \wedge$

$D + s - n < l_i \leq D + l_s + s - j_{sa} - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa}} \sum_{(j_{sa}=j_i+j_{sa}-s)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_i+j_{sa}-s-1)} \sum_{(j_i=l_i+n-D)}^{l_s+s}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=j_{ik}+l_s-l_{ik})}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_{sa}-k+1} \sum_{j_i=l_s+s-k+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \binom{()}{(j^{sa}=j_i+j_{sa}-s)} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{j_s=j_{ik}+l_s-l_{ik}} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - \dots)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(j^{sa} + l_i - j_i - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{j_i=l}^{i-1} \sum_{(j_s=1)} \binom{(\quad)}{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_i \leq n + 1 \wedge$$

$$1 \leq j_s \leq j_s - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_i + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_{i \leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=1)}^{(j_s)} \sum_{(j_{sa}=1)}^{(j_{sa})} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j_i=1)}^{(j_i)} \sum_{(j_{sa}=1)}^{(j_{sa})} \sum_{(j_i=l_i+n-D)}^{(j_i)}$$

$$\frac{(l_s - k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{(j_s)}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(j_i+j_{sa}-s-1)} \sum_{(j_i=l_i+n-D)}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i(l_s-k+1)} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_i-k+1)} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}-j_{sa}-s)} \sum_{j_i=l_i+n-D}^{(l_s+s-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{(l_{sa}-k+1)} \sum_{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

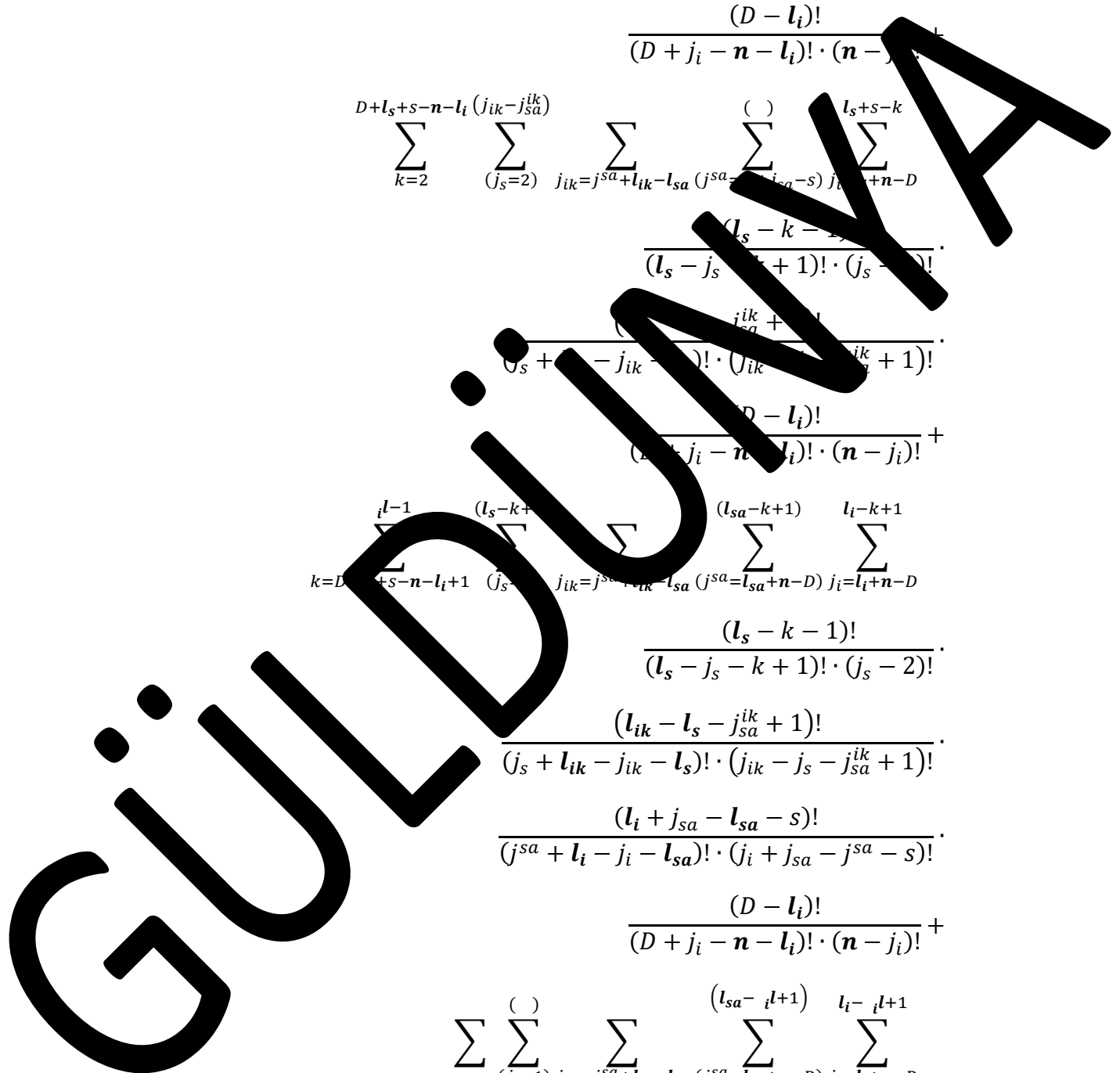
$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)}^{(l_{sa}-i^{l+1})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{(l_i-i^{l+1})}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$



$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$\sum_{j_s=2}^{j_s} \binom{D+l_s+s-n-l_i}{j_s} \binom{D+l_s+s-n-l_i}{j_s} = \left(\sum_{k=2}^{i_l} \frac{(l_s - k)!}{(D + j_i - n - l_i)! \cdot (n - 1)!} \right) -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{()} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Bigg) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_s-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_s-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_s+s-k}$$

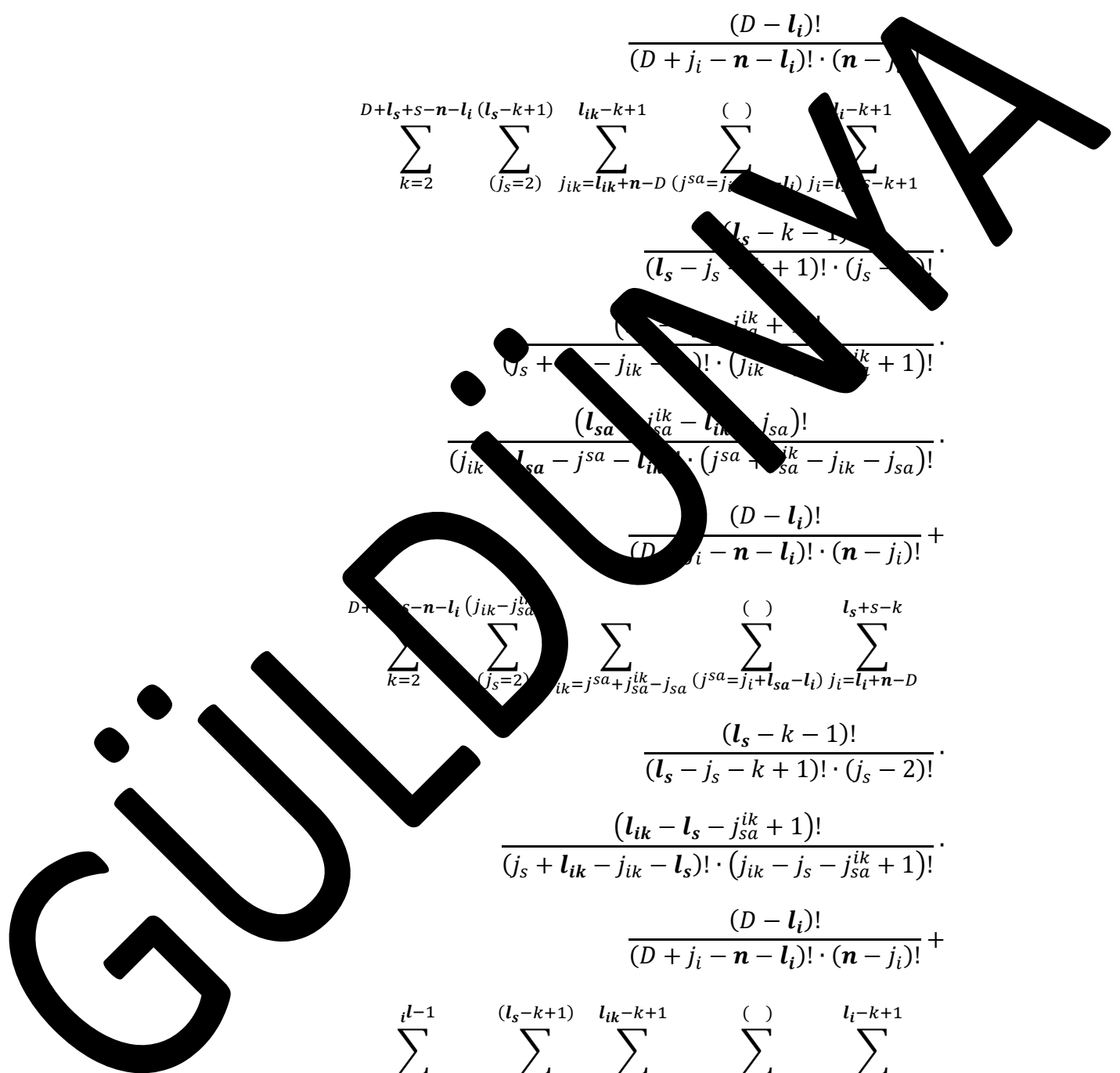
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_s-l_i)}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=1)}^{()} \sum_{j_i=l_i}^{l_i-i+1} \sum_{j_i+n-D}^{j_i+n-D} \frac{(l_{ik} - j_{ik} - l_s + 1)!}{(l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} - j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = j_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s - s - n \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^l \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{sa}-k+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{(j_{sa}=j_{sa}+1)}^{(l_{sa}-k+1)}$$

$$\frac{(l_s - j_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{(j^{sa}=j_{sa}+1)}^{(l_i+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$z S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, l} = \left(\sum_{k=2}^{i l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_s} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_s} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}^{ik})}^{(l_{ik}+j_{sa}-D-s-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}^{ik}+1)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

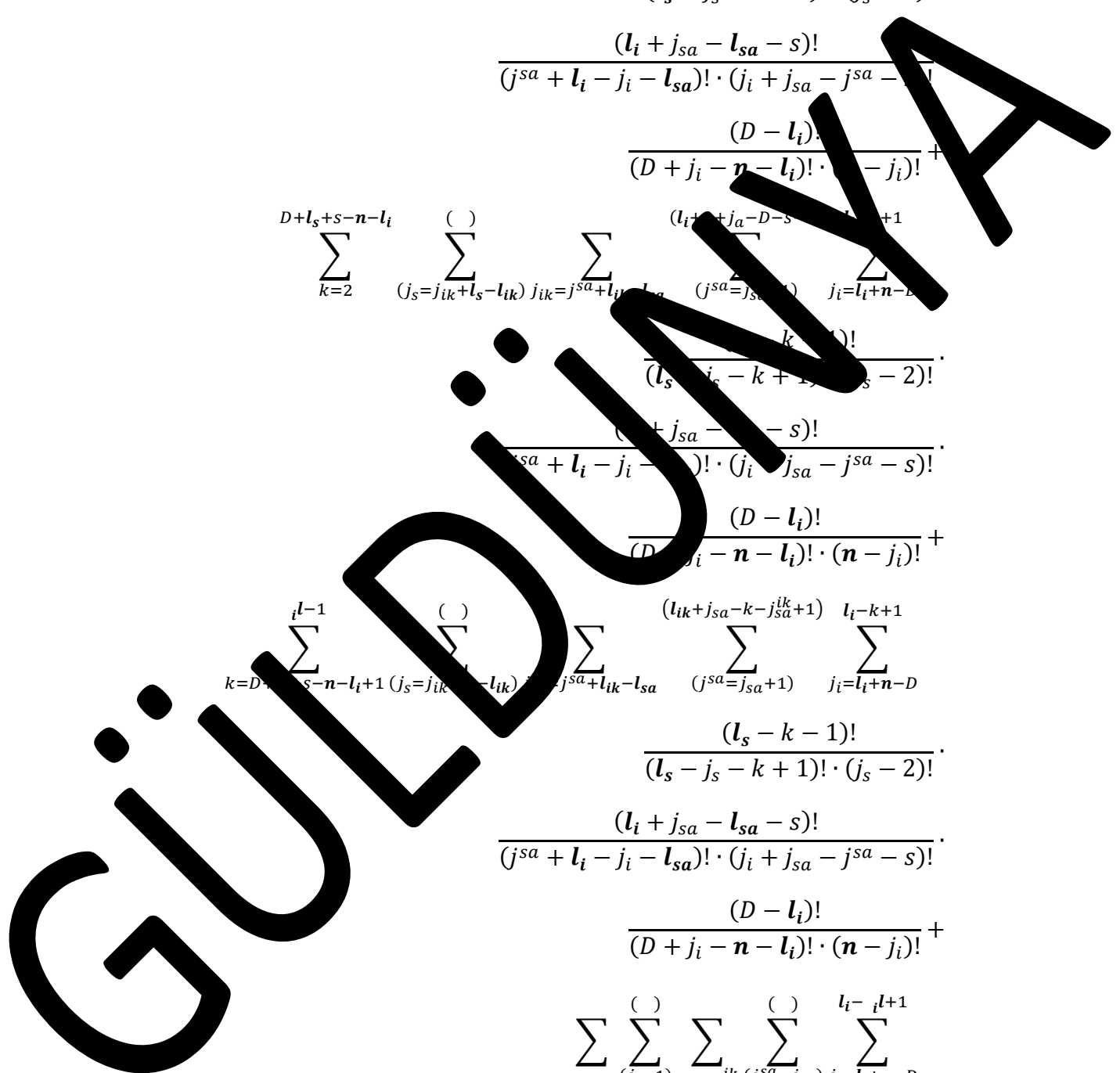
$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big)$$



$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \frac{\binom{D-n-k}{(D-n-k-1)! \cdot (n-1)!} \binom{D-l_i}{(D+j_i-n-l_i)! \cdot (n-j_i)!}}{\binom{l_s-k-1}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \binom{D+l_s+s-n-l_i}{(l_s-k-1)! \cdot (j_s-2)!} \binom{l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa}}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \binom{D-l_i}{(D+j_i-n-l_i)! \cdot (n-j_i)!}}$$

GÜLDÜNYA

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-i^l+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - i^l)!}{(l_s - i^l - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-i^l+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D - n < l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{(l_{ik}+j_{sa}-k-1)}{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s} \binom{()}{(j_i=j^{sa}+s)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \binom{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)}{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1} \binom{l_i-k+1}{(j_i=j^{sa}+s-j_{sa}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1} \binom{j^{sa}+j_{sa}^{ik}-j_{sa}}{(j^{sa}=l_i+n+j_{sa}-D-s-1)} \sum_{(j^{sa}=l_{sa}+n-D)} \binom{l_i-k+1}{(j_i=l_i+n-D)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_{sa}+j_{sa}^{ik}-l_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

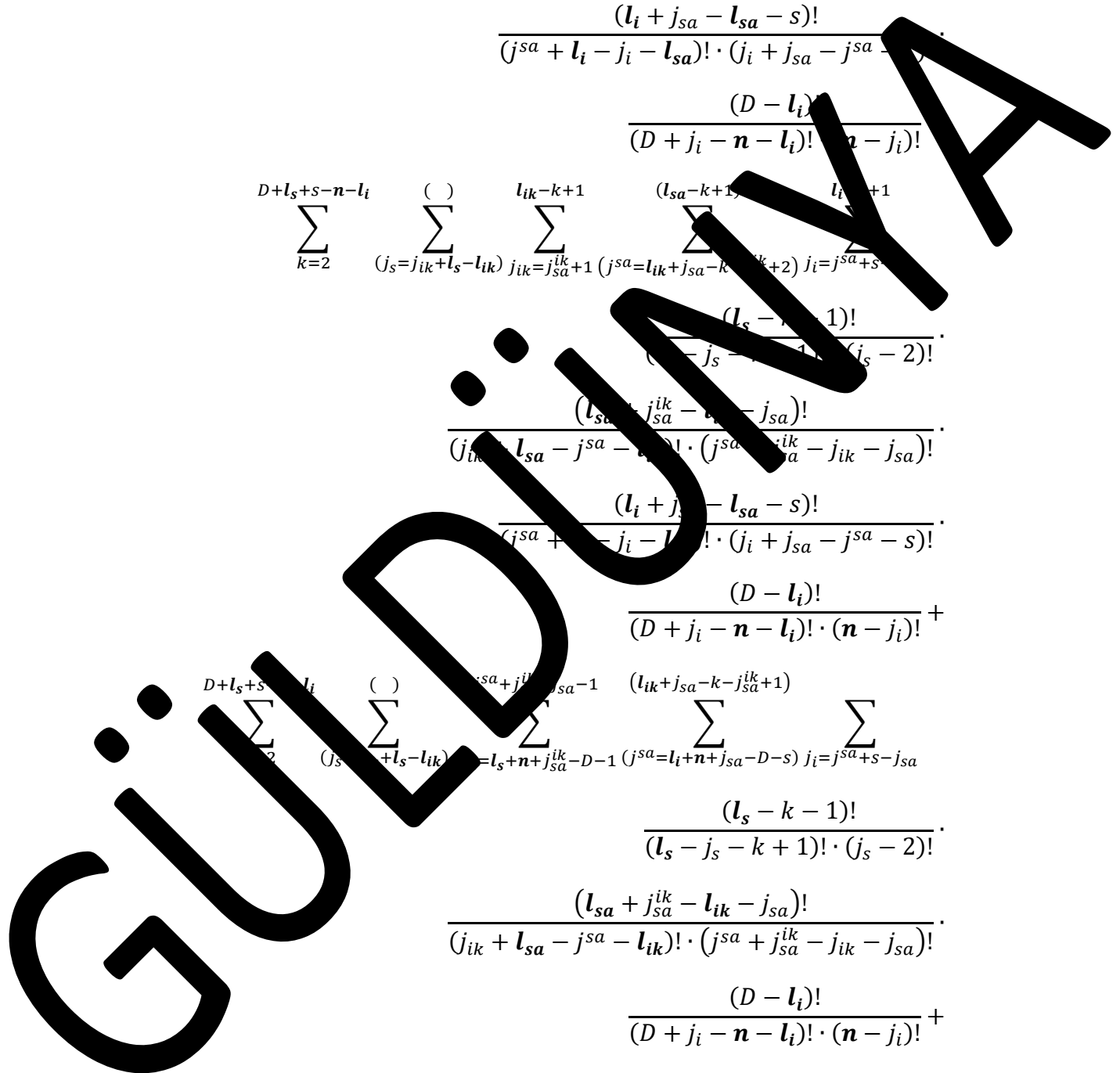
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}^{ik}+j_{sa}^{ik}-D)} \sum_{j_i=j_{sa}^{ik}+n-D} \sum_{j_i=j_{sa}^{ik}+n-D}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} \wedge j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa}^{ik} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \wedge$$

$$l_s - n < l_{sa} \leq D + l_s \wedge l_s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{\quad}{\quad} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}^{ik}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}} \binom{l_s+j_{sa}-k}{\quad}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{l_{ik}-k+1} \sum_{j_{sa}=j_{sa}+1}^{l_{sa}+1}$$

$$\frac{(l_s - j_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j^{sa}=j^{sa}+1}^{(l_i+j_{sa}-D-s-1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{j^{sa}=j^{sa}+1}^{l_i-k+1} \sum_{j_i=l_i+n-D}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{\binom{()}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})} \sum_{j_i=l_i+n-D}^{l_i-i+1} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i!} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_s=j_{ik}+l_s-l_{ik}} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{j_s=j_{ik}+l_s-l_{ik}} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_s+j_{sa}^{ik}-k} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_i+j_{sa}-i-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_{z^s, B}^{j_s, j_{sa}, j_{sa}^{ik}, j_{ik}} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(D - l_i - k + 1)! \cdot (1)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{j_{sa}-k} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\binom{D+l_s+s-n-l_i}{\sum_{k=2} (j_{ik}-j_{sa}^{ik})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

GÜLDÜNKYA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_i+j_{sa}-k-s+1)} \sum_{(j^{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}}^{(l_i+j_{sa}-k-s+1)} \sum_{(j^{sa}=l_i+l_{sa}-D-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=1}^{i-1} \sum_{(j_s=1)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_i+j_{sa}-i-s+1)} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_s+j_{sa}-k)} \sum_{(j_i=j^{sa}+s-j_{sa})} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\frac{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{j_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(l_s+j_{sa}-k)} \sum_{(j_i=j^{sa}+s-j_{sa}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_s+j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-1}^{l_i+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+l_s-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

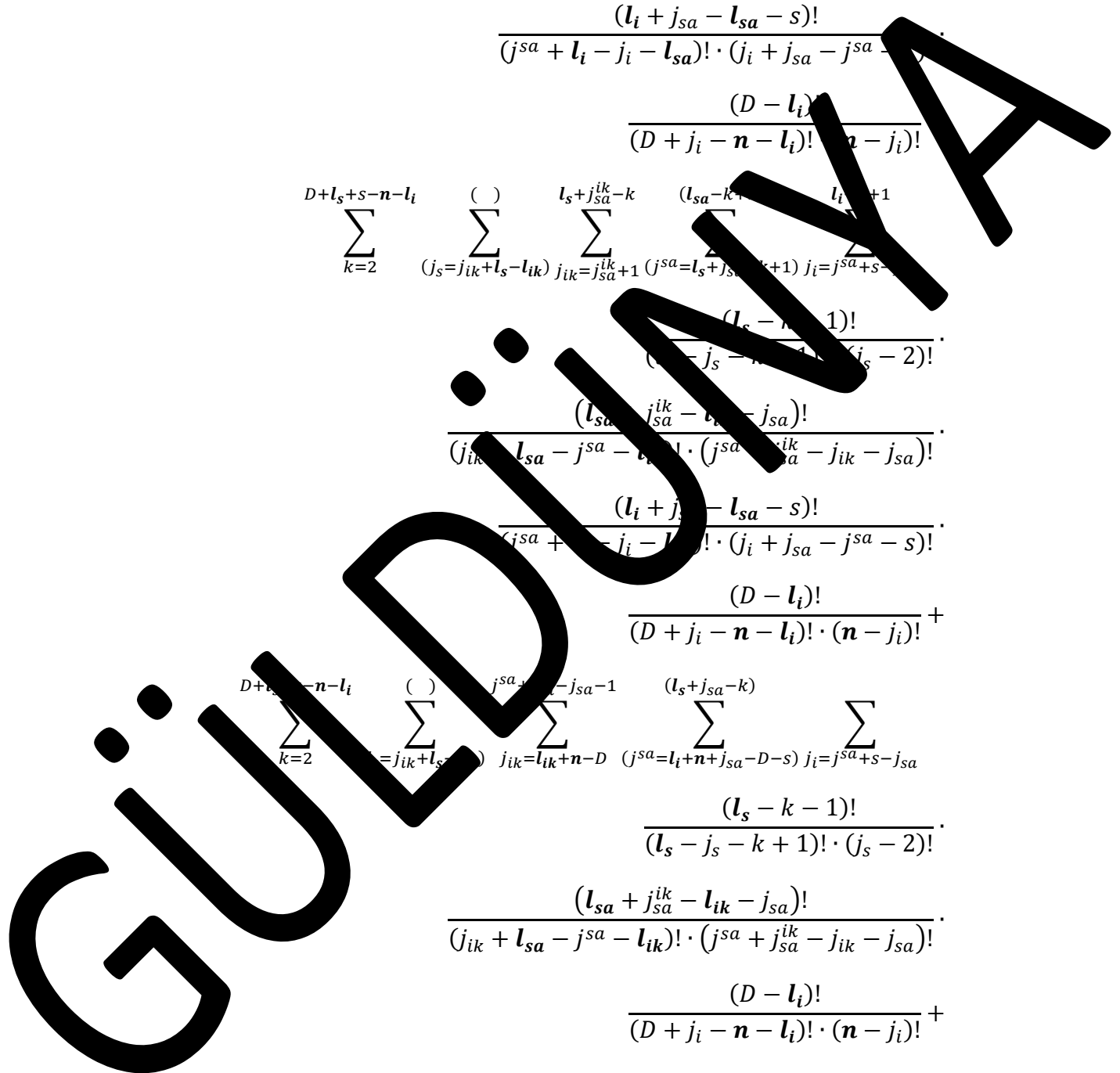
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}^{ik} + j_{sa} - D) \leq j_i \leq n - D}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa}^{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa}^{ik} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa}^{ik} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_s - n < l_i \leq D + l_s \wedge s - n - 1 \Rightarrow$$

$$f_{zS}^{DS,B}_{j_s, j_{ik}, j_{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{\binom{D-l_i}{j_s=1}} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}^{ik}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{ik}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_i+n-D-s)}^{(l_i-k+1)} \sum_{j_i=j_{sa}^{sa}+1}^{(j_i+l_{sa}-s)} \right) \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - j_{ik} - l_s)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa}^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa}^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_i+n+j_{sa}-D-s-1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_i-k+1)} \sum_{j_i=l_i+n-D}^{(l_i-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa}^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa}^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_{sa}-k+1)} \sum_{(j_{sa}=l_s+j_{sa}-k+1)}^{(l_i-k+1)} \sum_{j_i=j_{sa}^{sa}+s-j_{sa}}$$

GÜLDENWA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_i+n+j_{sa}^{sa}-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{sa}+s-1}^{(l_s+j_{sa}-k)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-1}^{l_s-k-1} \sum_{(j_s=2)}^{(l_s-k-1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_{sa}-k+1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

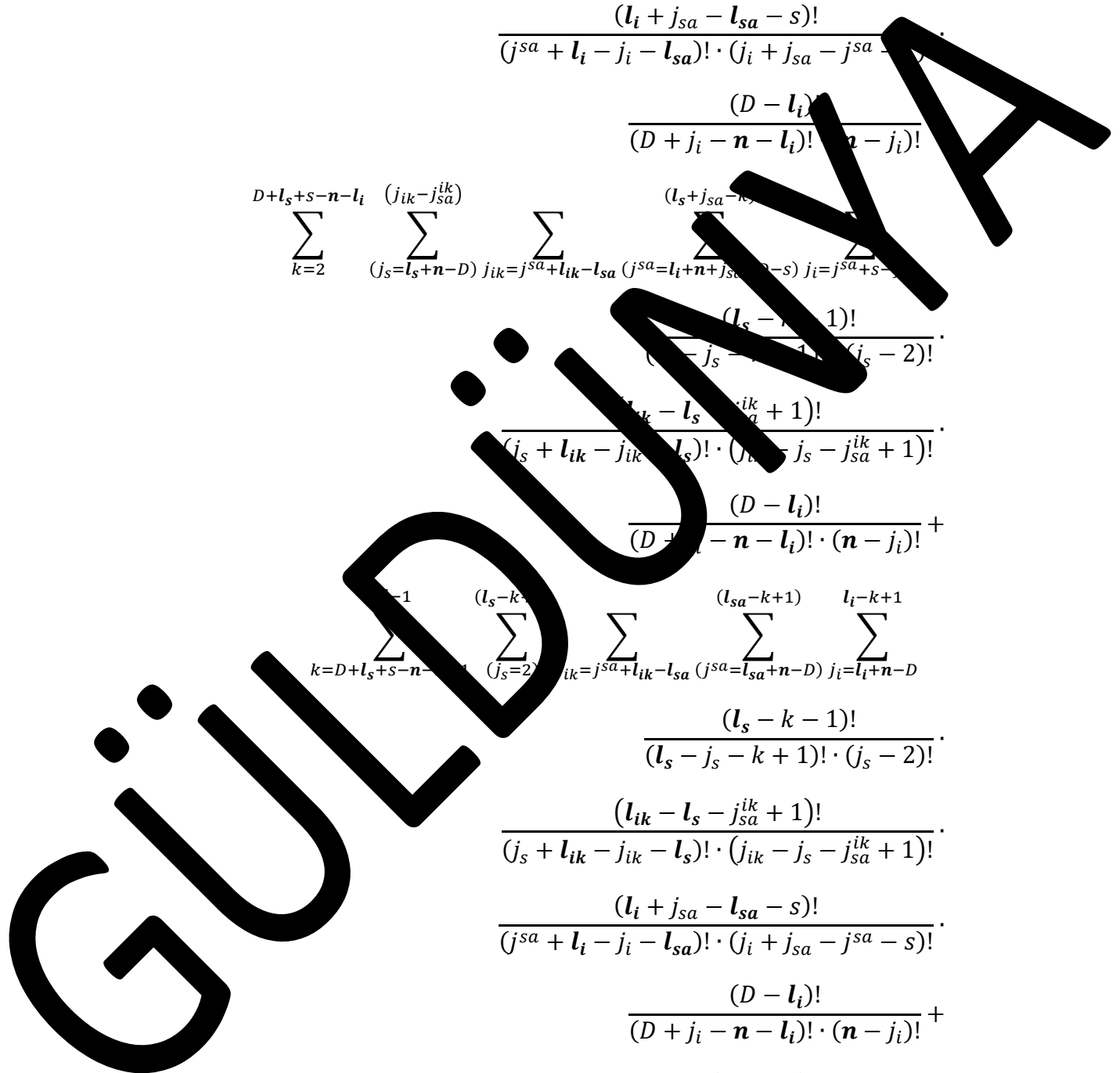
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_{sa}-l+1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-l+1)} \sum_{j_i=l_i+n-D}^{l_i-l+1}$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$fz_{j_s, l_s, j_{sa}, j_i} = \left(\sum_{k=2}^{i^l} \right)$

$\frac{(D - k)!}{(D + j_i - n - k + 1)! \cdot (n - 1)!}$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$

$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{()} \right)$

$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$



$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_s+j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i}^{(l_s-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}}^{(l_{ik}-k+1)} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}+l_i-l_{sa}}^{(l_s-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}^{(l_s-k+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=i}^{\binom{D-l_i}{j_s=1}} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{j_{sa}=l_{sa}}^{(l_{sa}-i^{l+1})} \sum_{j_i=j_s}^{j_i-l_{sa}}$$

$$\frac{(l_{ik} - j_{sa} - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s - j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - 1 \wedge j_{sa} + j_{sa}^{ik} \leq j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} - j_{sa} + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \wedge D + l_s - n - 1 \Rightarrow$$

$$f_z^{DS,B} S_{j_s, j_{ik}, j_{sa}, j_i}^{\Leftrightarrow} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{\binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}}} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{lk}-D-s}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{\binom{D+l_s+s-n-l_i}{j_s=j_{ik}+l_s-l_{ik}}} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+l_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{(\cdot)} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l_i} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - l_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^a + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} - j_{sa} \leq j_i - n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}$$

$$D + s - n < l_i \leq D + l_s + s - n - 1$$

$$zS_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i!} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{lk}-D-s}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{j_{sa}+s-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{j_i=l_i+n-D}^{l_i-1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j_{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{sa}, j^{sa}, j_{ik}} \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - k - 1)! \cdot (j_s - 2)!}$$

$$\sum_{k=2}^{D+l_s+l_i-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=l_i+l_{ik}-k}^{l_{ik}-k} \binom{()}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

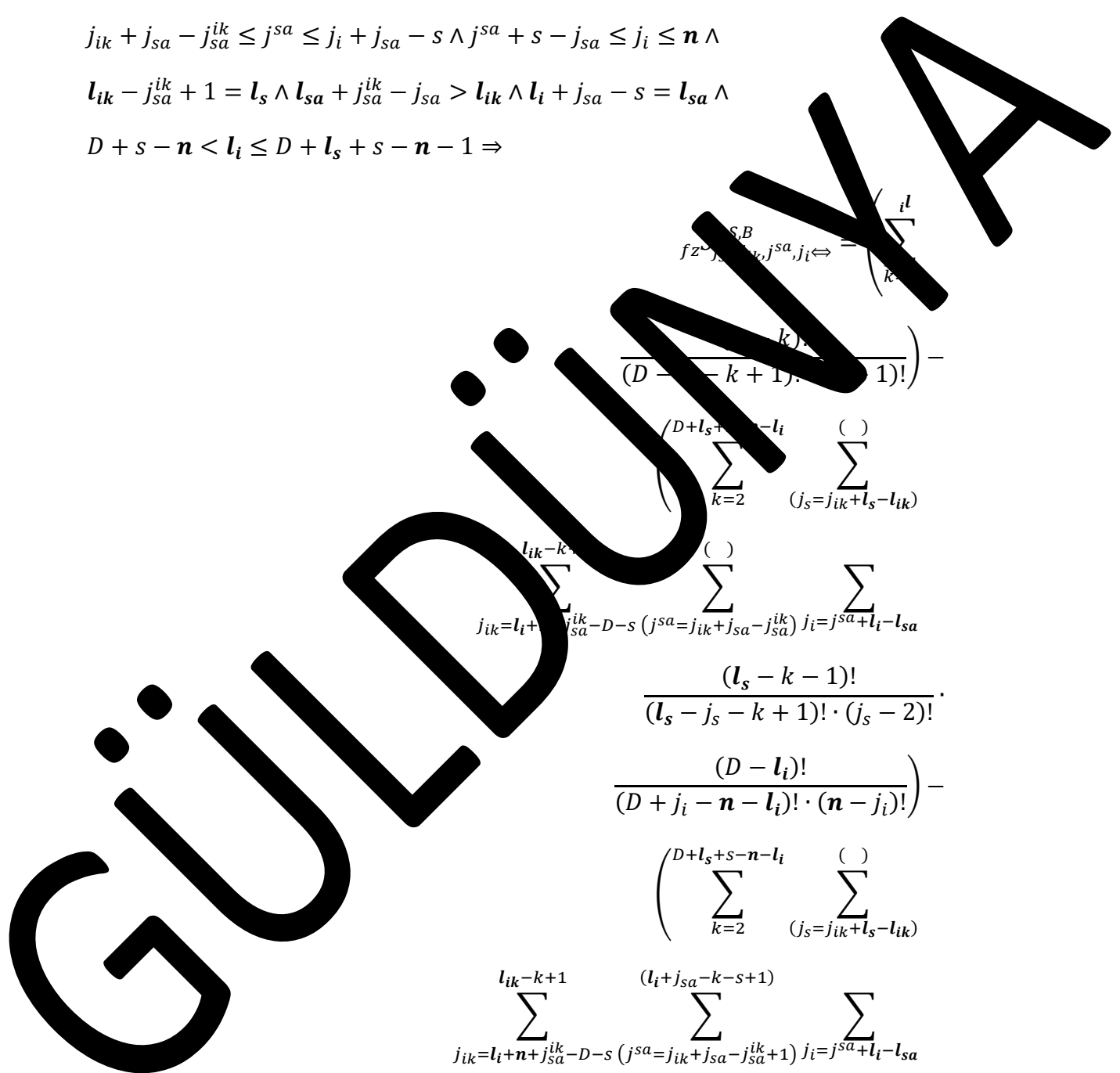
$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \binom{()}{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}-l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-i-s+1)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^l \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-i-s+1)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$l_i + n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D}^{l_{ik}-k+1} \sum_{j_{i+1}+j_{sa}-j_s} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{\binom{l_s}{l_s - j_s - k + 1}}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\left(\sum_{k=2}^{j_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-k+1}$$

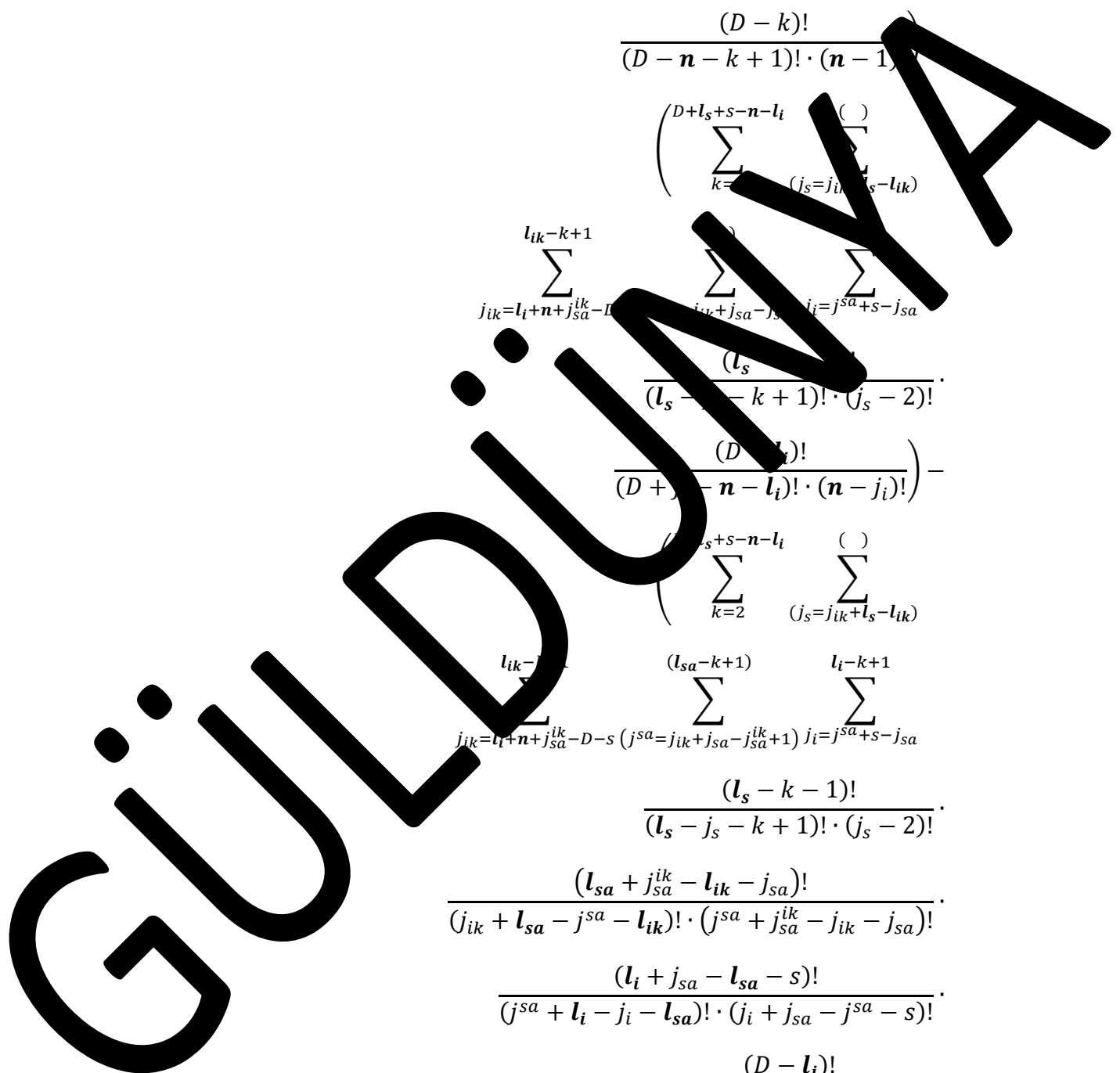
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(+j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$



$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}^{l_i-1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{l_i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i^{l+1})} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_i-i^{l+1}} \sum_{j_i=l_i+n-D}^{()} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot
 \end{aligned}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$\left(\sum_{k=2}^{i_l} \frac{(l_s - k)!}{(D + l_s - k + 1)! \cdot (n - 1)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_i=j^{sa}+s-j_{sa})}^{l_s} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{(j_i=j^{sa}+s-j_{sa}+1)}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

GÜLDENYA

$$\begin{aligned}
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa})} \sum_{(j_i=l_i-l_{sa})}$$

$$\frac{(D - k - 1)!}{(D - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{(j_i=j_{sa}+l_i-l_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{(j_i=j_{sa}+l_i-l_{sa})}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{\binom{(\cdot)}{(j_s=j_{ik}+l_s-l_{ik})}} \sum_{l_s+j_{sa}^{ik}-k}^{j_{ik}=j_{sa}^{ik}+1} \sum_{(l_i+j_{sa}-k-s+1)}^{(j_{sa}=l_i+n+j_{sa}-s)} \sum_{j_i=j_{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i^l}^{\binom{(\cdot)}{(j_s=j_{ik}+l_s-l_{ik})}} \sum_{l_s+j_{sa}^{ik}-k}^{j_{ik}=j_{sa}^{ik}+1} \sum_{(l_i+j_{sa}-k-s+1)}^{(j_{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j_{sa}+l_i-l_{sa}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n \wedge n \wedge l_s \leq D - i^l + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} + j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} \leq j_{sa}^{ik} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D - i^l + 1 < n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\left(\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\quad)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

GÜLDENMÄ

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - j_s - j_{sa}^{ik} - j_{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}{(D - l_i)!}$$

$$\frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_{sa} \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge$$

$$l_i - j_{sa}^{ik} + j_{sa} = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n + 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \frac{(l_{sa}-k+1)!}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \frac{(l_i - k - 1)!}{(l_i - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \right) -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

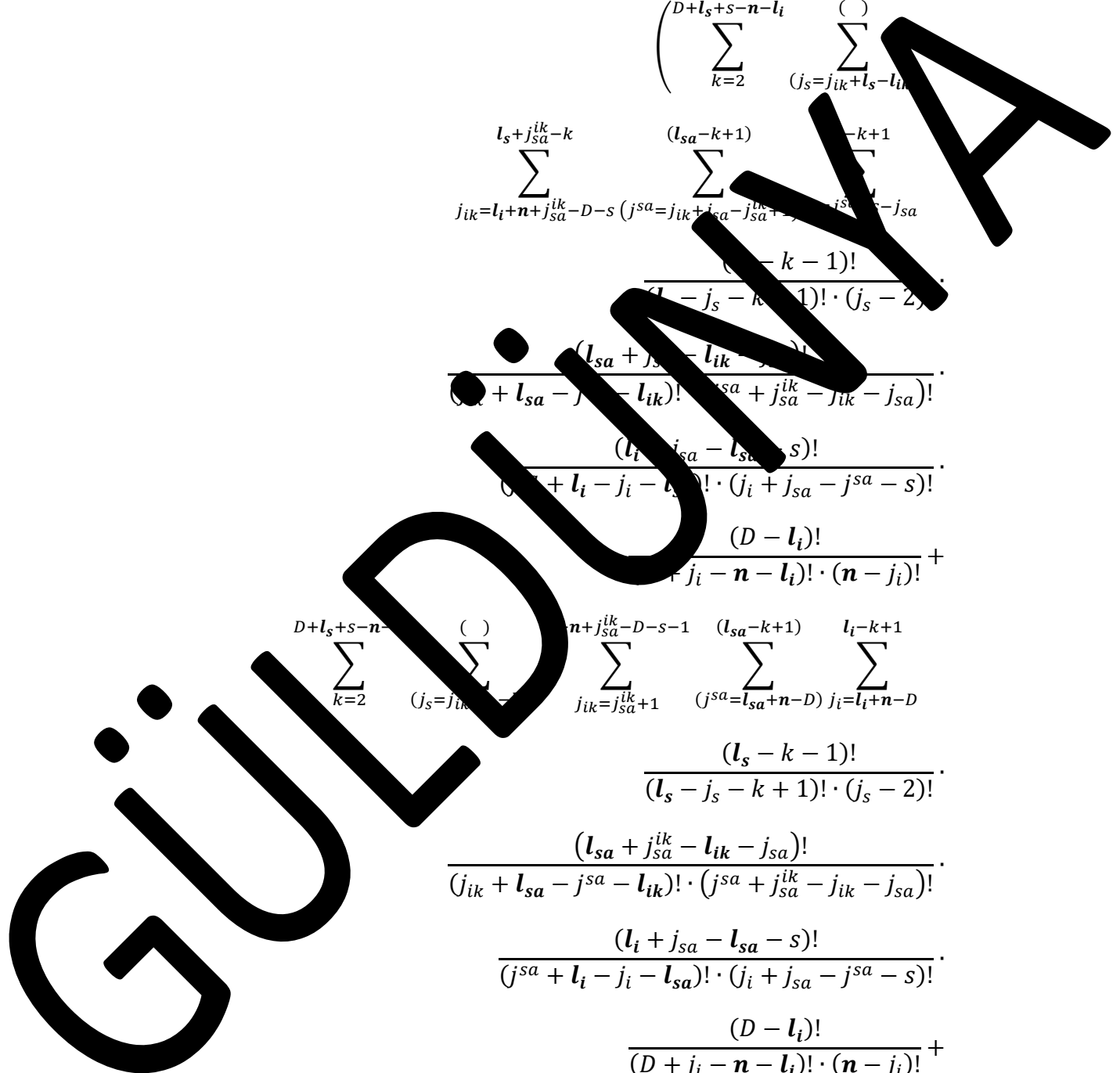
$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{n+j_{sa}^{ik}-D-s-1} \frac{(l_{sa}-k+1)!}{(j_{sa}=l_{sa}+n-D)} \frac{l_i-k+1}{(j_i=l_i+n-D)} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} -$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} -$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \binom{(\quad)}{(j_s=j_{sa}^{ik}+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$



$$\begin{aligned}
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
& \sum_{k=1}^{i-1} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=l_{sa}+n-D)}^{l_i-i+1} \sum_{j_i=l_i+n-D} \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
& \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 - j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_{i \Leftrightarrow}}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = -j_{sa}^{ik} + 1)}^{()} \right)$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} (j^{sa} = j_{ik} - l_{ik}) j_i = j^{sa} + s$$

$$\frac{(l_s - j_s - 1)!}{(l_s - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = 2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} (j^{sa} = j_{ik} + l_{sa} - l_{ik}) j_i = j^{sa} + s - j_{sa} + 1$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s = 2)}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{j_{ik} = l_{ik} + n - D}^{l_i + n + j_{sa}^{ik} - D - s - 1} \sum_{(j^{sa} = j_{ik} + l_{sa} - l_{ik})}^{()} \sum_{j_i = l_i + n - D}^{l_i - k + 1}$$

GÜLDÜNYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{lk}-k+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-1)} \sum_{j_{ik}=l_i+n+j_{sa}^{lk}-D-s}^{j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDÜZMAYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{l_{ik}-i+1} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=j_{ik}-l_{ik})}^{l_i-i+1} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_s + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_s + 1)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{ik} - j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s - l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D - s - n < l_i \leq D + l_i + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{l_i-i+1} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{l_i-i+1} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)^{-}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_{sa}=l_i+n+j_{sa}^{ik}-D-s-1)}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{(j_{sa}=l_i+n+j_{sa}^{ik}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}} \sum_{(j_{ik}-j_{sa}^{ik}+1)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_s=j_{sa}+l_i-l_{sa})}^{(j_{sa}=j_{ik}+j_{sa}^{ik})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l_i+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+k+n-D}^{l_{ik}-k+1} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

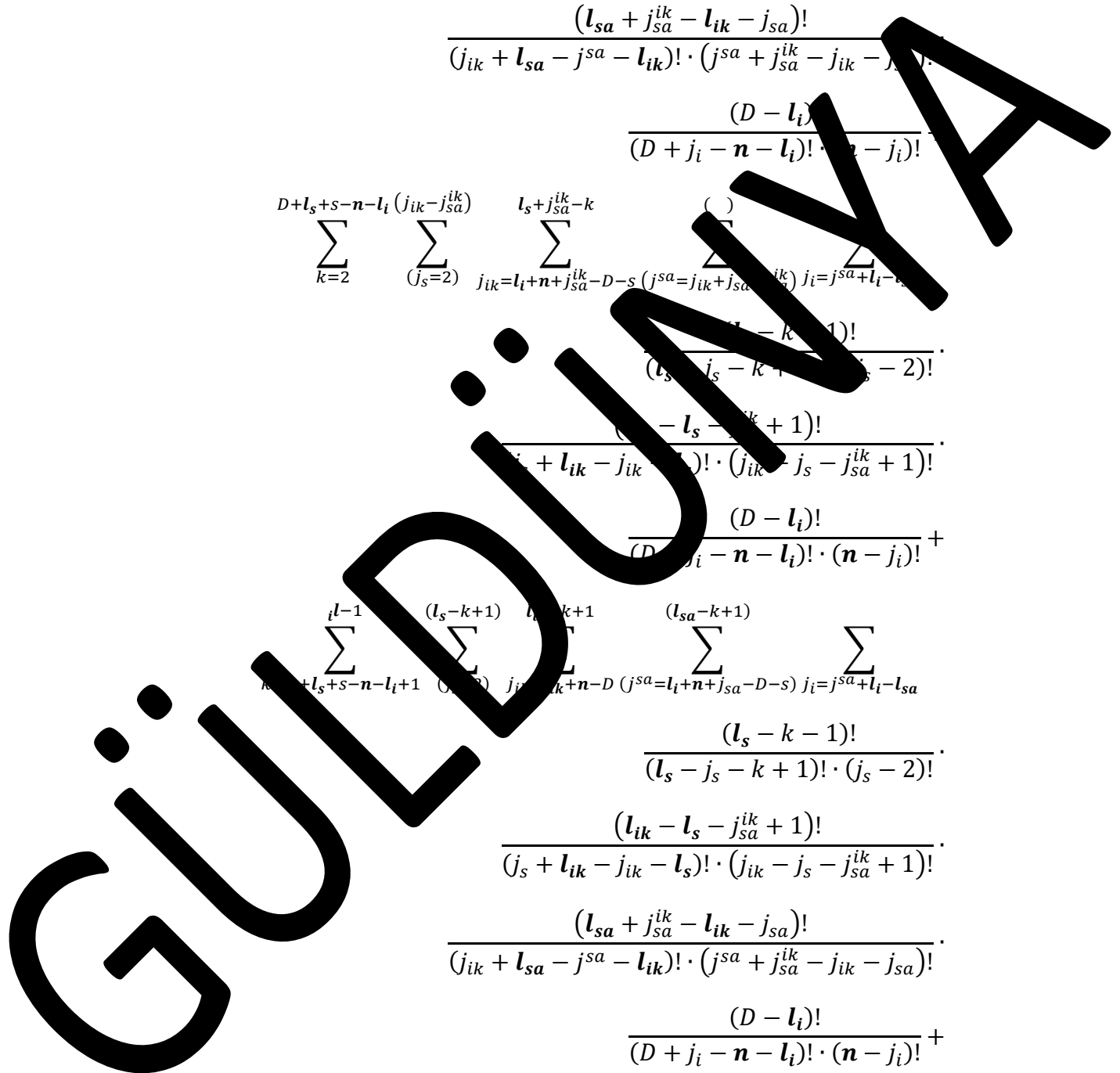
$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)}^{(l_{ik}-i^{l+1})} \sum_{j_{ik}=l_{ik}+n-D}^{(l_{sa}-i^{l+1})} \sum_{(j_{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$



$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 =$$

$$f_z S_{j_s, j_{sa}^{ik}, j_i}^{D, l_s, l_{sa}, l_{ik}} = \binom{l}{\sum_{k=2}^l}$$

$$\frac{(D - k)!}{(n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{sa}-k-j_{sa}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{i^{l-1}} \sum_{(j_s=1)}^{(l_{sa}-k-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{(l_i-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{(l_i-i^{l+1})} \sum_{(j_s=1)}^{(l_i-i^{l+1})} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=j_{sa})} \sum_{j_i=l_i+n-D}^{(l_i-i^{l+1})} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \binom{l}{k} \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \sum_{k=2}^{D+l_s+n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \binom{(\cdot)}{j_s-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{(j_i=j^{sa}+s-j_{sa}+1)}^{l_i-k+1} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \frac{(l_i+j_{sa}-l_{sa}-s)!}{(j^{sa}+l_i-j_i-l_{sa})! \cdot (j_i+j_{sa}-j^{sa}-s)!} \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \sum_{k=2}^{D+l_s+n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{(j_i=l_i+n-D)}^{l_i-k+1}$$

GÜLDÜMÜNYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} (j^{sa}=j_{ik}+l_{sa}-l_{ik}) \sum_{j_i=l_i+n-D}^{()} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{()} \sum_{j_{ik}=j_{sa}^{ik}} (j^{sa}=j_{sa}) \sum_{j_i=l_i+n-D}^{()} \sum_{j_i=l_i+n-D}^{l_i-i+1}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D + s - n < n \wedge l_s \leq l_i + n + 1$

$l_s \leq j_s \leq l_s - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} = j^{sa} \wedge j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i-1} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)!(j_s-2)!} \\
 & \left(\frac{(D-l_i)!}{(D+j_i-n-l_i)!(n-j_i)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)!(n-j_i)!} + \\
 & \sum_{(j_s=2)}^{D+l_s+s-n-l_i} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)!(n-j_i)!} +
 \end{aligned}$$

GÜLDÜZMAYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s+1)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - j_{sa} \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq l_s + j_{sa}^{ik} - n + 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j_i=j^{sa+s}-j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{\binom{(l_{ik}-j_{sa}^{ik}+2)}{j_s}} \sum_{\binom{(s+1)}{j_s}}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(l_{sa}-k+1)}{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{\binom{(l_i-k+1)}{j_i=j^{sa+s}-j_{sa}}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{(l_s+s-n)} \sum_{\binom{(l_i+n-D-s)}{j_s=2}} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(l_{sa}-k+1)}{j^{sa}=l_{sa}+n-D}} \sum_{\binom{(l_i-k+1)}{j_i=l_i+n-D}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\begin{aligned}
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\quad)}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\quad)}{(j_{sa}=l_{sa}-D)}} \sum_{j_i=l_i+n-D}^{l_{sa}-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{\binom{(\quad)}{(j_s=1)}} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=l_i+n-D}^{l_i-i+1} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^l \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{l_s-k+1}{j_s=l_i+n-D-s+1} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j_{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j_{sa}+s-j_{sa}}$$

$$\frac{(D - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=l_i+n-D-s+1}^{l_s-k+1} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j_{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=j_{sa}+s-j_{sa}+1}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j_{sa} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{j_s=2}^{l_i+n-D-s} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{j_{sa}=j_{ik}+l_{sa}-l_{ik}} \sum_{j_i=l_i+n-D}^{l_i-k+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{\binom{(\cdot)}{j^{sa}=j_{ik}+l_{sa}-l_{ik}}} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(i)} \sum_{(j_s=1)} \sum_{j_{sa}=j_{sa}^{ik}} \sum_{\binom{(\cdot)}{j^{sa}=j_{sa}}} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \frac{(j_{sa} + j_{sa} - l_{sa} - s)!}{(j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n - l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_s + 1 \wedge j_s + j_{sa}^{ik} - j_{sa} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_s - j_{sa}^{ik} \leq j^{sa} - j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_s = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}-1)}^{(\cdot)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_i+j_{sa}-k-s+1)} \right) \\
 & \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}
 \end{aligned}$$

GÜLDÜZYA

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=0}^{i-l} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_{sa}=l_i+n+j_{sa}^{ik})}^{(l_i+j_{sa}^{ik}-i-l-s+1)} \sum_{(j_i=j_{sa}^{ik}+l_i-l_{sa})}^{()}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i - n - l_i - j_i)!}{(D - l_i - n - l_i - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} - j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}^{ik} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - s \wedge j_{sa} + s - j_{sa}^{ik} \leq j_i \leq j_{sa} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa}^{ik} = l_{ik} \wedge j_{sa} + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i < D + l_s + s - n + 1 \Rightarrow$$

$$f_z^{S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B}} = \left(\sum_{k=2}^{i-l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j_{sa}^{ik}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_i+n-D-s+1)} \sum_{j_{ik}=l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{(l_i+j_{sa}^{ik}-i)^{l-s+1}} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{(j_{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} > l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$

$S_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$

$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$

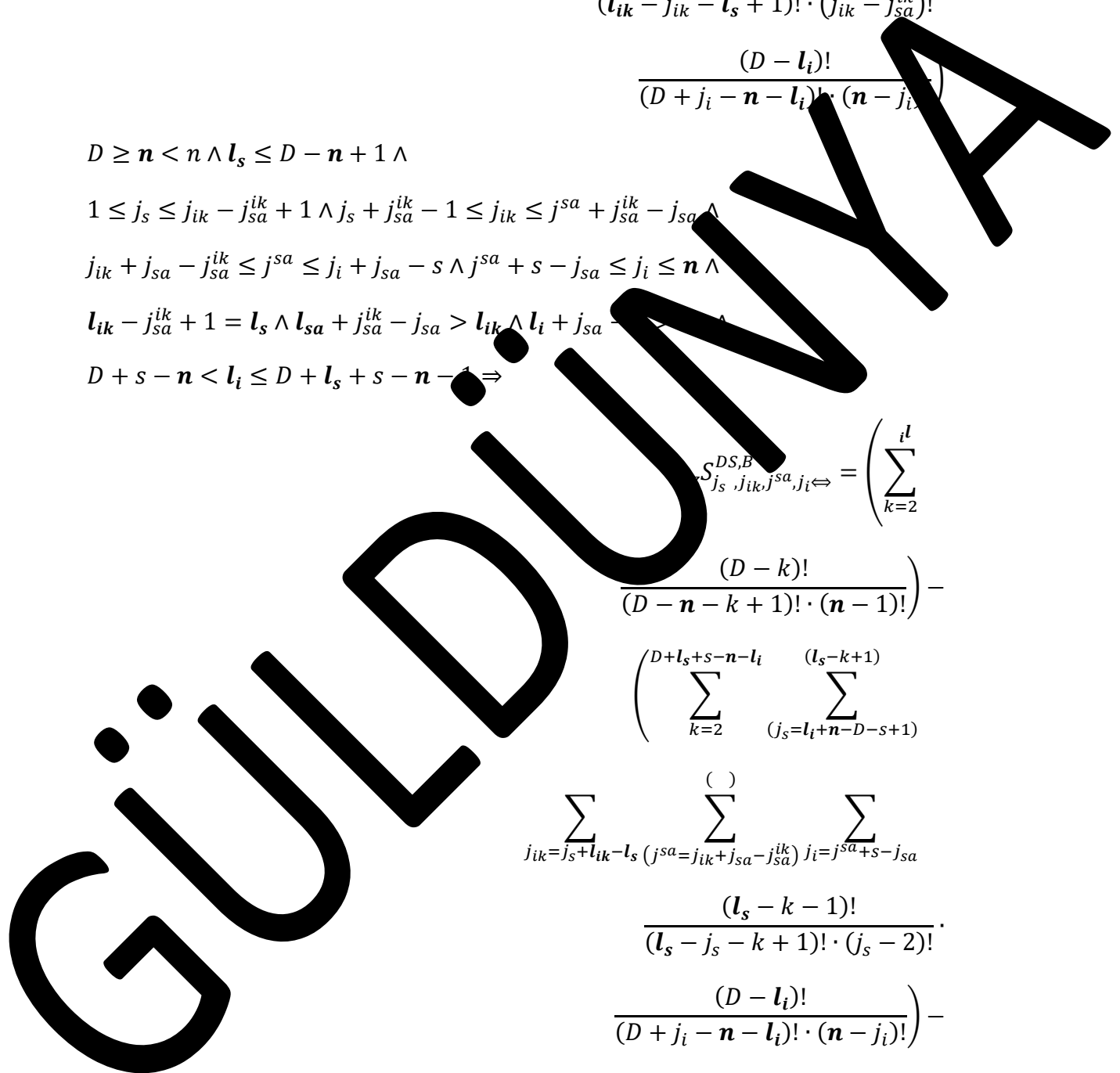
$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$

$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_i=j_{sa}+s-j_{sa})}$

$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$

$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$

$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right)$



$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(l_{sa-k+1})} \sum_{l_i-k+1} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik+1}) j_i=j^{sa+s}-j_{sa}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(l_{sa-k+1})} \sum_{l_i-k+1} (j^{sa}=l_{sa}+n-D) j_i=l_i+n-D$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(l_{sa-k+1})} \sum_{l_i-k+1} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}) j_i=j^{sa+s}-j_{sa}+1$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \sum_{k=i^l}^{(i^l-1)} \sum_{(j_s=2)}^{(i^l-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(i^l-k+1)} \sum_{j_i=l_i+n-D}^{i^l-k+1} \frac{(l_s + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j_i + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D > n < n \wedge l_i \leq D - i^l + 1 \wedge 1 \leq i^l \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge l_{ik} - j_{sa}^{ik} + 1 \leq l_i \wedge l_i + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge D - i^l + 1 \leq l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \right) \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=j^{sa}+s-j_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot
 \end{aligned}$$

GÜLDÜZMAYA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 1)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+n-D}^{l_{ik}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{l_i-k+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \\
 & \frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \Rightarrow$$

$$f_z^{DS,B} = \left(\sum_{k=2}^{(D-l_i)} \frac{(D-l_i)!}{(D-n-k+1)! \cdot (k-1)!} - \sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{l_i=l_i+n-D-s+1}^{(l_s-k+1)} \frac{(l_s-k+1)!}{(l_s-k-1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} - \sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \right)$$

GÜLDÜZYA

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_i+n-D-s)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_i-n-l_i+1}^{l_i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-k-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDENYA

$$\sum_{k=2}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=l_i+n+j_{sa}-D-s)}^{(l_i+j_{sa}-i-s+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s \leq j_i \leq j_{sa}^{ik} + s - 1 \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}^{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \Bigg| -$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \right)$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \Bigg| -$$

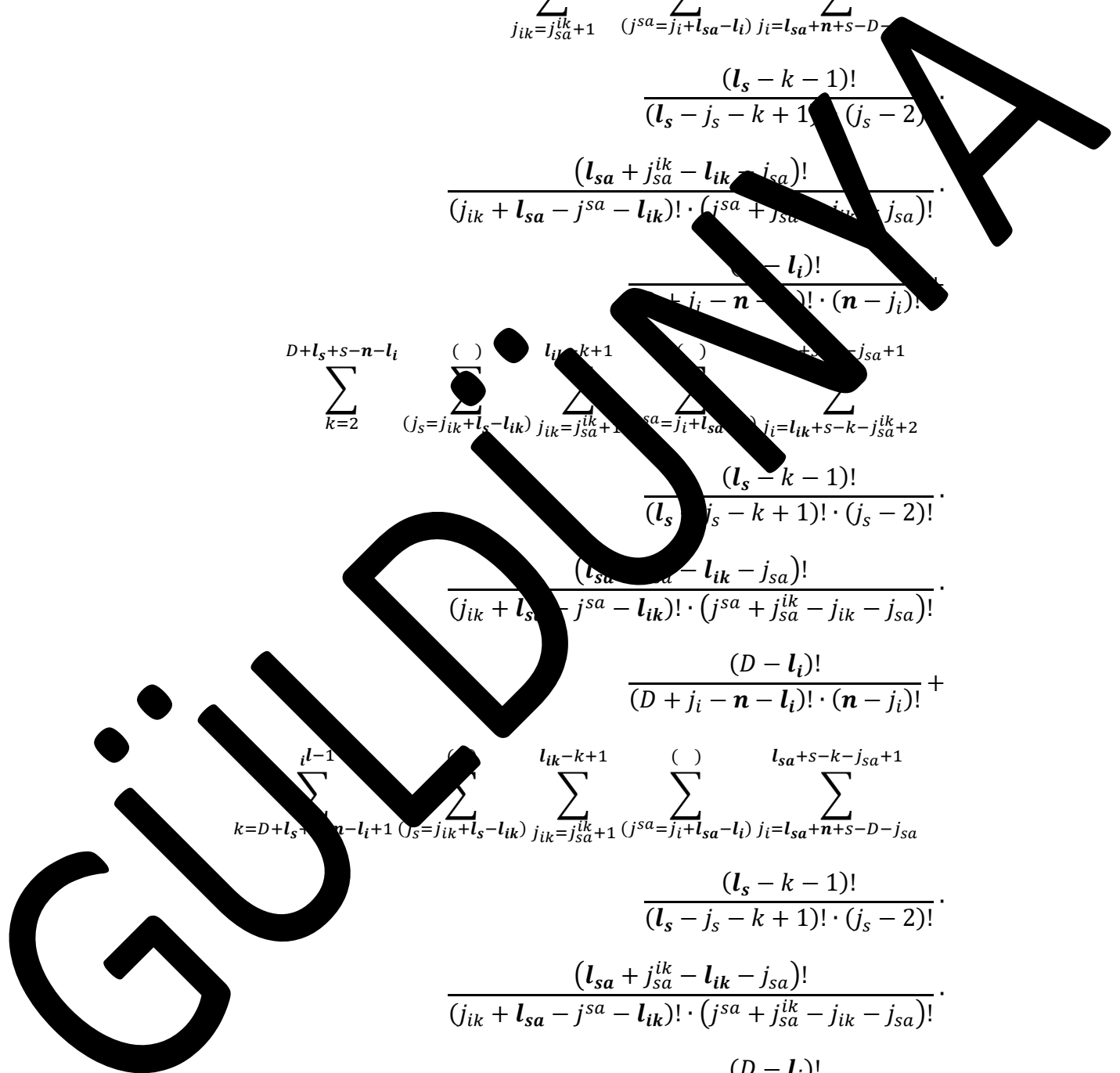
$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}^{ik}+1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}^{ik}+2}^{l_{sa}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}^{ik}}^{l_{sa}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i-l}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\cdot)} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}^{ik}}^{l_{sa}+s-i-l-j_{sa}^{ik}+1}$$



$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$\left(\sum_{k=2}^{i^l} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) - \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) - \left(\sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{(j_s=j_i+l_{sa}-l_i)} \frac{(D+l_s+s-n-l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) - \left(\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_s=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right)$$

GÜLDÜZMÜNYA

$$\begin{aligned}
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{i-1} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i-j_{sa}+1} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i_l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\binom{D + l_s + s - n - l_i}{j_s = j_{ik} - 1}$$

$$\sum_{j_{ik} = j_{sa} + l_{ik} - l_{sa}} \binom{l_s + s - k}{j_i = l_{sa} + n + s - D - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\left(\sum_{k=2}^{D + l_s + s - n - l_i} \sum_{(j_s = 2)}^{(j_{ik} - j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik} = j_{sa} + l_{ik} - l_{sa}} \binom{l_s + s - k}{j_i = l_{sa} + n + s - D - j_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D + l_s + s - n - l_i} \sum_{(j_s = 2)}^{(l_s - k + 1)} \sum_{j_{ik} = j_{sa} + l_{ik} - l_{sa}} \binom{l_{sa} + s - k - j_{sa} + 1}{j_i = l_{sa} + n + s - k + 1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{()} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i-l-j_{sa}+1}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq l_i < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_s - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\begin{aligned}
 & \left. \frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\cdot)} \right. \\
 & \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_{sa}+s-D-j_{sa}}^{l_s+s-k} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(\cdot)} \sum_{j_{ik}=l_{ik}+n}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} + \right. \\
 & \left. \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)}^{(\cdot)} \sum_{j_i=l_s+s-k+1}^{l_{sa}+s-k-j_{sa}+1} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right)
 \end{aligned}$$

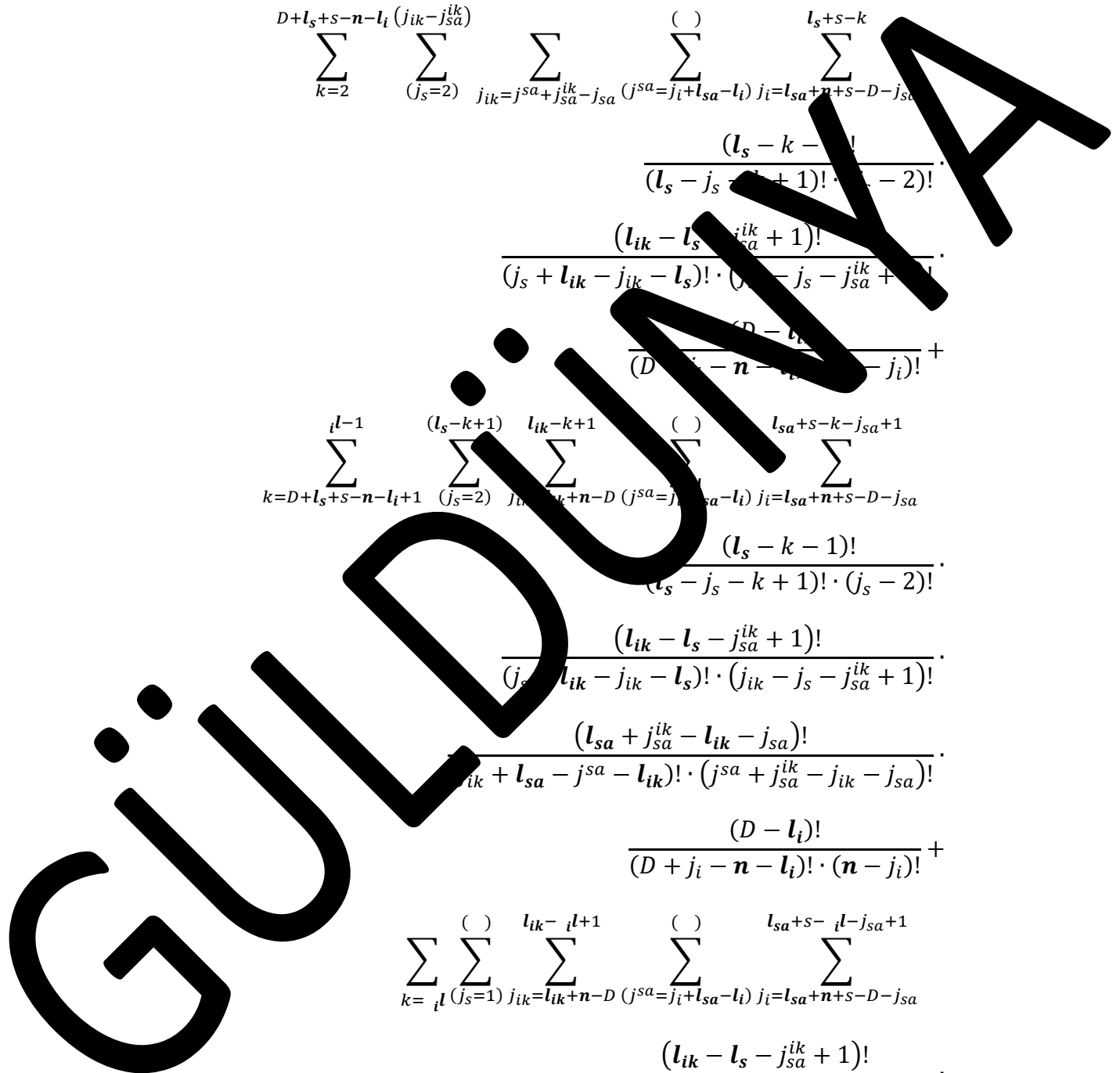
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$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-k} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-k-j_{sa}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{sa}+s-i^l-j_{sa}+1} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$f_{z^s, B}^{z^s, B} \left(j_{sa}^{ik}, j_{sa}^{ik}, j_i \right) \Leftrightarrow \binom{l_i}{k}$$

$$\frac{(D - l_i - k + 1)!}{(D - l_i - k + 1)! \cdot (l_i - k)!} -$$

$$\sum_{k=2}^{D+l_s+n-l_i-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}-j_{sa}}^{(l_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\binom{(D+l_s+n-l_i)}{\sum_{k=2}} \binom{()}{\sum_{(j_s=j_{ik}+l_s-l_{ik})}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\begin{aligned}
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{ik}+j_{sa}-k-j_{sa}^{ik}+2)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}}^{(l_{sa}-i+1)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik}=j_{sa}+j_i} \sum_{(j_{sa}=l_{sa}+n-k)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{\binom{l_s}{l_s - j_s - k + 1} \cdot (j_s - 2)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{j_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{+j_{sa}^{ik}-j_{sa}-1} \sum_{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{(\quad)}{\quad} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDÜŞMÜŞA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l_i}^{i-1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D > n < n \wedge l_i \leq D - n - 1 \wedge$

$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{sa} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 \leq j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + j_{sa} - s < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right) \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(j_{sa}-k)} \sum_{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}}
 \end{aligned}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=2}^i \sum_{(j_s=1)}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_{sa}^{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - 1)! \cdot (j_{ik} - j_s - 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} < j_{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq j_i + j_{sa} - j_{sa}^{sa} + s - 1 \leq j_i \leq$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa}^{sa} > l_{ik} \wedge j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 =$$

$$f_z^{DS,B}_{j_s, j_{ik}, j_{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{(D+l_s+s-n-l_i)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+j_{sa}^{ik}-j_{sa}} \sum_{(j_{sa}=l_{sa}^{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}-1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_s+j_{sa}-k)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s - k - 1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik} - j_{sa}^{ik} + 1} \sum_{(j^{sa}=l_{sa}+j_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_{ik} - j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{(i)} \sum_{j_{ik}=l_{ik}+n-D}^{(i)-i^{l+1}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(i)-i^{l+1}} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D > n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i} \Leftrightarrow = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{lk}-D-j_{sa}}^{l_{ik}-k+1} \binom{(\quad)}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} j_i=j^{sa}+l_i-l_{sa}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{lk}-D-j_{sa}}^{l_{ik}-k} \binom{(l_{sa}-k+1)}{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} j_i=j^{sa}+l_i-l_{sa}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{(\quad)}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{sa}+n+j_{sa}^{lk}-D-j_{sa}-1} \binom{(l_{sa}-k+1)}{(j^{sa}=l_{sa}+n-D)} j_i=j^{sa}+l_i-l_{sa}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (n - k - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l_i}^{()} \sum_{(j_s=1)}^{(l_{sa}-k+1)} \sum_{j_{ik}=j_{sa}^{ik}}^{()} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D > n < n \wedge l_i \leq D - n - 1 \wedge$

$1 \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$l_{sa} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq l_{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_{ik} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + j_{sa} - s < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{lk}-D-j_{sa}}^{l_s+j_{sa}^{lk}-k} \binom{()}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})} \sum_{j_i=j_{sa}+l_i} \binom{()}{(j_i=j_{sa}+l_i)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \right)$$

$$\sum_{j_{ik}=l_{sa}}^{l_s+j_{sa}^{lk}-k} \binom{()}{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{lk})} \sum_{j_i=j_{sa}+l_i-l_{sa}} \binom{()}{(j_i=j_{sa}+l_i-l_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \binom{()}{(j_s=j_{ik}+l_s-l_{ik})} \sum_{j_{ik}=j_{sa}^{lk}+1}^{l_{sa}+n+j_{sa}^{lk}-D-j_{sa}-1} \binom{()}{(j_{sa}=l_{sa}+n-D)} \sum_{j_i=j_{sa}+l_i-l_{sa}} \binom{()}{(j_i=j_{sa}+l_i-l_{sa})}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{lk} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{lk} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=i}^{()} \sum_{(j_s=1)}^{()} \sum_{j_{ik}=j_{sa}^{ik}+1}^{(l_s+l+1)} \sum_{(j_{sa}=l_{sa}+n-D)}^{()} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j_{sa} - l_{ik})! \cdot (j_{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n \wedge 1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - j_{sa} \wedge j_{sa} + j_{sa}^{ik} - j_{sa} \leq j_i \leq n \wedge l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge D + j_{sa} - n < l_{sa} \leq D + l_s - j_{sa} \wedge n - 1 \Rightarrow$$

$$fz S_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{(j_s=2)}^{D+l_s+s-n-l_i} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{(l_s-1)l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-i-l-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge l_{sa} + j_{sa} - s = l_{ik} \wedge$

$D + j_{sa} - n < l_{sa} \leq D + l_{sa} + j_{sa} - n \Rightarrow$

$$f_Z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

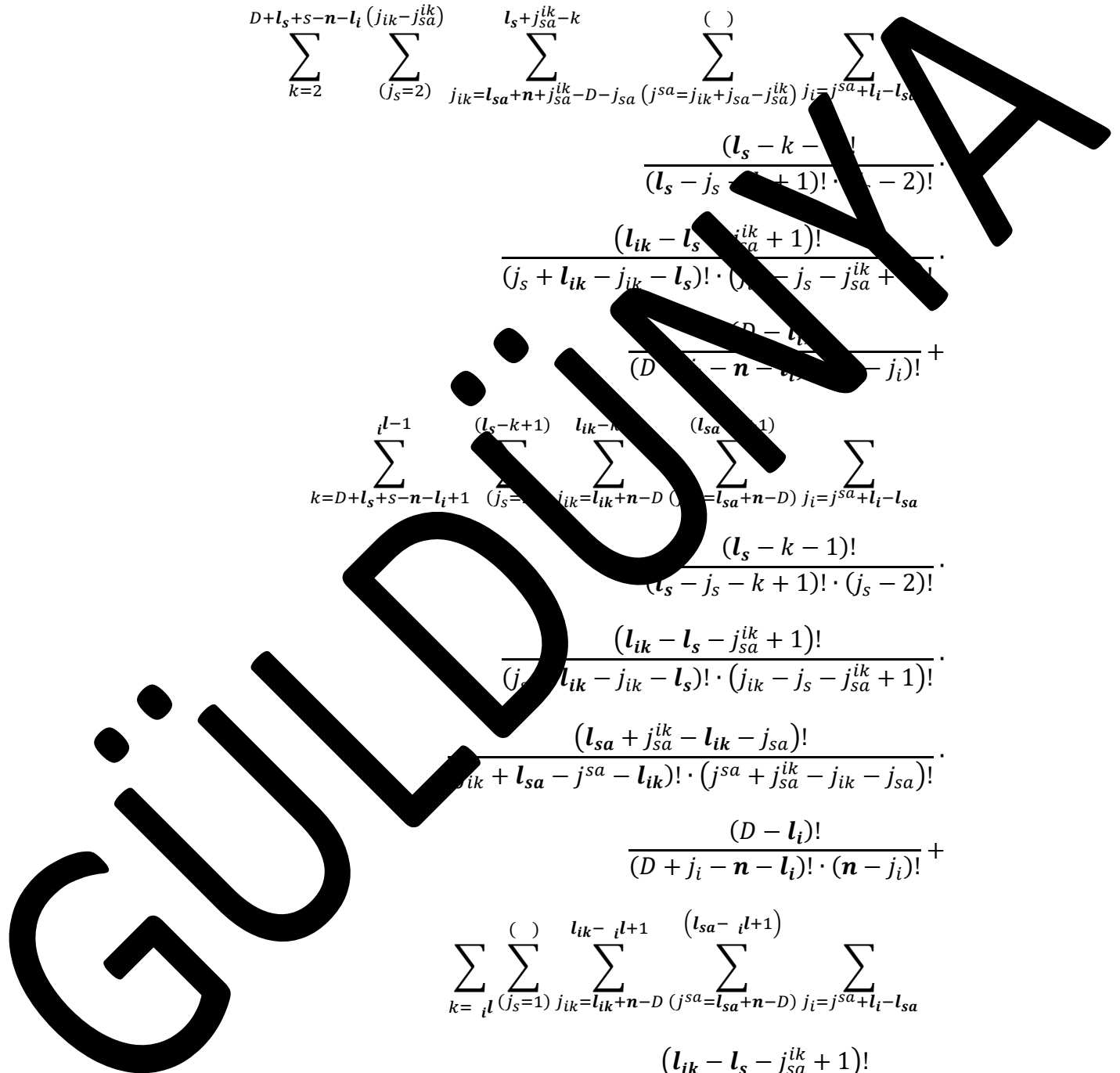
$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right. \\
 & \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{j_{ik}=l_{sa}+n-D-j_{sa}}^{l_s+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}^{(l_{sa}-k+1)} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
 \end{aligned}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_s+j_{sa}^{ik}-k} \sum_{(j_s=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_s=j_{sa}+l_i-l_{sa})} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=l_{ik}-k+1)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k} \sum_{(j_s=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{(j_s=1)} \sum_{(j_s=1)}^{(j_s=1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-i^{l+1})} \sum_{j_i=j_{sa}+l_i-l_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$



$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz^{s,B} j_{sa}^{ik}, j_{sa}^{ik} \Leftrightarrow \binom{l}{k}$$

$$\frac{(D - l_i - k + 1)!}{(l_s - k - 1)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_{sa}-k+1)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

GÜLDÜNKYA

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j_{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^i \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k)} \right)$$

$$\sum_{j_{ik}=l_{ik}-l_s}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=l_i-l_{sa})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_i=l_i-l_{sa})}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) \cdot$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right)$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{sa}+n-D-j_{sa})} \sum_{j_{ik}=j_s+l_{ik}-l_s}^{(j_{sa}=l_{sa}+n-D)} \sum_{(j_{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j_{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j^{sa}=l_s-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \dots$$

$$\sum_{k=0}^{(i-1)} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \wedge n \wedge l_s \leq D - 1 + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge l_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D - 1 + 1 < n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^i \right)$$

$$\begin{aligned}
 & \left(\frac{(D-k)!}{(D-n-k+1)! \cdot (n-1)!} \right) - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(D+l_i-n-l_i)!}{(D+l_i-n-l_i)! \cdot (n-j_i)!} \right) \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right. \\
 & \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) + \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{(j_s=2)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right. \\
 & \left. \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \right) \\
 & \left. \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right) +
 \end{aligned}$$

GÜLDÜZMAYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}^{l_{sa}+j_{sa}^{ik}-k-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D}^{l_{sa}+j_{sa}^{ik}-i^l-j_{sa}+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq l_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - j_{sa} \wedge j_{sa} + j_i - j_{sa} \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} + j_{sa} \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} < D + l_s - j_{sa} \wedge n - 1 \Rightarrow$$

$$f_z^{DS,B}_{j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \cdot \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \right) \cdot \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}} \right) \cdot \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-k-1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\begin{aligned}
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=l_{sa}-D)}^{(l_{sa}-k+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_s + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{(j_s=1)}^{(j_s=2)} \sum_{(j_{ik}=l_{ik}+n-D)}^{l_{ik}-i^l+1} \sum_{(j^{sa}=l_{sa}+n-D)}^{(l_{sa}-i^l+1)} \sum_{j_i=j^{sa}+l_i-l_{sa}}^{l_i-l_{sa}} \\
 & \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
 \end{aligned}$$

$$D \geq n < l_s \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{l_i} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_s^{sa}+1)} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa})} \sum_{(j_i=l_{ik}+s+n-D-j_{ik})}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik})} \right)$$

$$\sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{(j_i=l_{ik}+s+n-D-j_{sa}^{ik})}^{l_s+s-k}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{(j_i=l_s+s-k+1)}^{l_{ik}+s-k-j_{sa}^{ik}+1}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜZYA

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{ik}+j^{sa}-D-j_{sa}^{ik}+1}^{l_{ik}+s-k-j_{sa}^{ik}+1} \frac{(l_s - k - 1)!}{(l_s - j_s - 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_i+l_{sa}-l_i)} \sum_{j_i=l_{ik}+j^{sa}-D-j_{sa}^{ik}+1}^{l_{ik}+s-i^l-j_{sa}^{ik}+1} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D + j_s + j_{sa}^{ik} - 1 \leq D - j_i - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa}^{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} \leq j^{sa} + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_i \wedge l_{ik} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D - j_{sa}^{ik} - 1 < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\begin{aligned}
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right) \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} - \\
 & \left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right) \\
 & \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}}^{(l_s+j_{sa}-k)} \sum_{(j_{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} + \\
 & \sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{j_{ik}=j_{sa}^{sa}+l_{ik}-l_{sa}} \sum_{(j_{sa}=l_s+j_{sa}-k+1)} \sum_{j_i=j_{sa}^{sa}+l_i-l_{sa}} \\
 & \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
 \end{aligned}$$

GÜLDÜMÜYA

$$\sum_{k=D+l_s+s-n-l_i+1}^{i^l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}-k-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{()} \sum_{(j_s=1)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}}^{(l_{ik}+j_{sa}-j_{sa}^{ik}+1)} \sum_{(j^{sa}=l_{ik}+n+j_{sa}-D-j_{sa}^{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - l_s - j_{sa}^{ik})!}{(j_s - j_{ik} - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n \wedge l_i \leq n$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_i \leq j_i + j_{sa} - j_{sa} \wedge j^{sa} + j_{sa} - j_{sa} \leq j_i \leq n \wedge$

$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$

$D + j_{sa}^{ik} - n < l_{ik} \wedge D + l_s - j_{sa}^{ik} < n - 1 \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()} \right)$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)} \sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=D+l_s+s-n-l_i+1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^i \sum_{(j_s=1)}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s - j_{sa}^{ik} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j_i + s - j_{sa} \leq j_{ik} \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \wedge$

$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_{sa} + j_{sa}^{ik} - n \Rightarrow$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} = \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - k)!}{(D - n - k + 1)! \cdot (n - 1)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \right)$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} -$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\left(\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{ik}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \right)$$

$$\sum_{k=2}^{D+l_s+s-n-l_i} \sum_{(j_s=2)}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=1}^{l_s+s-n-l_i+1} \sum_{(j_s=2)}^{(l_{ik}-k+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}} \frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot \frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=1}^{l_i} \sum_{(j_s=1)}^{(l_{ik}-i+1)} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i+1} \sum_{(j^{sa}=j_{ik}+l_{sa}-l_{ik})} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right)$$

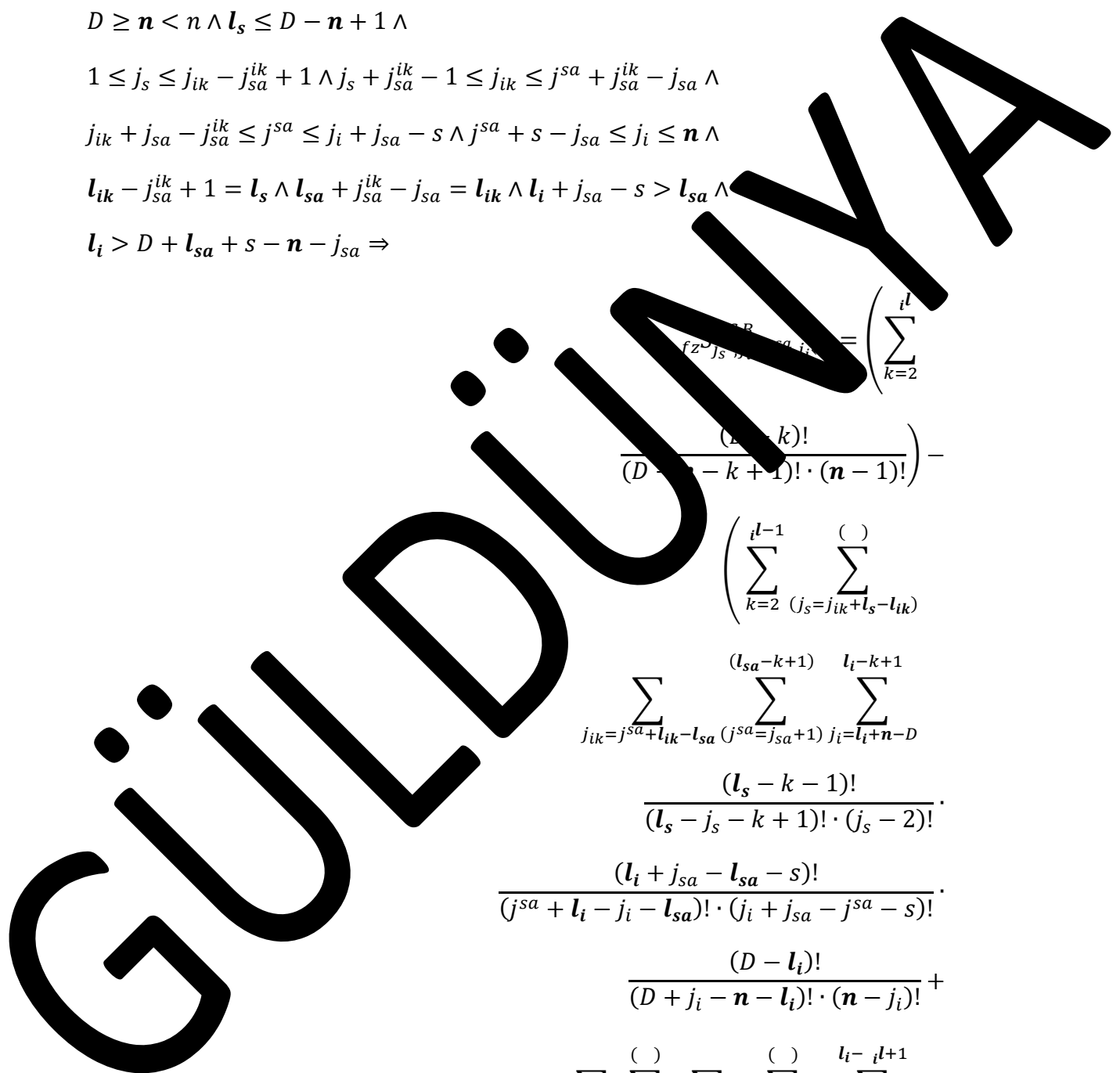
$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa} \Rightarrow$$



$$= \left(\sum_{k=2}^{i^l} \frac{(l_s - k)!}{(D - n - k + 1)! \cdot (n - 1)!} \right) -$$

$$\left(\sum_{k=2}^{i^{l-1}} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\cdot)} \sum_{j_{ik}=j^{sa}+l_{ik}-l_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{sa}-k+1)} \sum_{j_i=l_i+n-D}^{l_i-k+1} \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \right) -$$

$$\frac{(l_i + j_{sa} - l_{sa} - s)!}{(j^{sa} + l_i - j_i - l_{sa})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot \left(\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +$$

$$\sum_{k=i}^{(\cdot)} \sum_{(j_s=1)}^{(\cdot)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}^{(\cdot)} \sum_{j_i=l_i+n-D}^{l_i-i^{l+1}} \frac{(l_i + j_{sa} - l_{sa} - s)!}{(l_i + j_{sa} - j_i - l_{sa})! \cdot (j_i - s)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i > D + l_s + s - n - 1 \Rightarrow$$

$$fz^{s,B} j_{sa}^{ik}, j_{sa}^{ik}, j_i \Leftrightarrow \binom{l}{k}$$

$$\frac{(D - l_s - k + 1)!}{(D - l_s - k + 1)! \cdot (l_s - k + 1)!} -$$

$$\left(\sum_{k=2}^{l_s-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})} \binom{l_s-k+1}{k} \right)$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s-k+1} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l_s-1} \sum_{(j_s=1)} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=l_{sa}+n-D)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \Rightarrow$$

$$fz_{j_s, j_{ik}, j^{sa}, j_i}^{DS, B} \left(\sum_{k=2}^{i^l} \right)$$

$$\frac{(D - n - k)!}{(D - n - k - 1)! \cdot (n - 1)!}$$

$$\left(\sum_{k=2}^{l_s - k + 1} \sum_{j_s=2} \right)$$

$$\sum_{j_{ik}=n-D}^{l_{ik}-k+1} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^l \sum_{j_s=1}^{()} \sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-i^{l+1}} \sum_{j^{sa}=j_{ik}+l_{sa}-l_{ik}}^{()} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

GÜLDÜNKYA

DİZİN

İ
İlk simetrik bulunmama olasılığı, 1.8.1/3

K
Kalan simetrik ayırım bulunmama olasılığı, 1.10.3/3

S
Simetrik bitişik-ayırım bulunmama olasılığı, 1.7.4/3
Simetrisinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı, 1.7.1/22, 1.7.1/64
bitişik bulunmama olasılığı, 1.7.1/10, 1.7.1/52
bitişik-ayırım bulunmama olasılığı, 1.7.1/35, 1.7.1/75, 1.7.1/76, 1.7.1/77
Simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı, 1.7.1/21, 1.7.1/63
bitişik bulunmama olasılığı, 1.7.1/8, 1.7.1/50
bitişik-ayırım bulunmama olasılığı, 1.7.1/33
Simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün simetrik bulunmama olasılığı, 1.7.1/9, 1.7.1/51
düzgün olmayan simetrik bulunmama olasılığı, 1.7.1/34, 1.7.1/76
Simetrisinin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bulunmama olasılığı, 1.7.1/7, 1.7.1/49
Simetrisinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı, 1.7.1/25, 1.7.1/26, 1.7.1/68
simetrik bitişik bulunmama olasılığı, 1.7.1/14, 1.7.1/56

simetrik bitişik-ayırım bulunmama olasılığı, 1.7.1/41, 1.7.1/82, 1.7.1/83
düzgün simetrik bulunmama olasılığı, 1.7.1/15, 1.7.1/57
düzgün olmayan simetrik bulunmama olasılığı, 1.7.1/42, 1.7.1/84
Simetrisinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayırım bulunmama olasılığı, 1.7.1/23, 1.7.1/65
bitişik bulunmama olasılığı, 1.7.1/11, 1.7.1/53
bitişik-ayırım bulunmama olasılığı, 1.7.1/36, 1.7.1/78
Simetrisinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bulunmama olasılığı, 1.7.1/5, 1.7.1/47
simetrik ayırım bulunmama olasılığı, 1.7.1/24, 1.7.1/25, 1.7.1/67
simetrik bitişik bulunmama olasılığı, 1.7.1/13, 1.7.1/55
simetrik bitişik-ayırım bulunmama olasılığı, 1.7.1/38, 1.7.1/39, 1.7.1/80
düzgün simetrik bulunmama olasılığı, 1.7.1/13, 1.7.1/55, 1.7.1/56
düzgün olmayan simetrik bulunmama olasılığı, 1.7.1/40, 1.7.1/81, 1.7.1/82
Simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bulunmama olasılığı, 1.7.1/6, 1.7.1/7, 1.7.1/48, 1.7.1/49
simetrik ayırım bulunmama olasılığı, 1.7.1/30, 1.7.1/72
simetrik bitişik bulunmama olasılığı, 1.7.1/18, 1.7.1/60
düzgün simetrik bulunmama olasılığı, 1.7.1/19, 1.7.1/61

düzgün olmayan simetrik
bulunmama olasılığı, 1.7.1/31,
1.7.1/73

Simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli

simetrik ayırım bulunmama
olasılığı, 1.7.1/32, 1.7.1/74

simetrik bitişik bulunmama
olasılığı, 1.7.1/20, 1.7.1/62

Simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli

simetrik bulunmama olasılığı,
1.7.1/6, 1.7.1/48

simetrik ayırım bulunmama
olasılığı, 1.7.1/27, 1.7.1/69

simetrik bitişik bulunmama
olasılığı, 1.7.1/16, 1.7.1/58

düzgün simetrik bulunmama
olasılığı, 1.7.1/16, 1.7.1/58,
1.7.1/59

düzgün olmayan simetrik
bulunmama olasılığı, 1.7.1/28,
1.7.1/70

Simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli

simetrik ayırım bulunmama
olasılığı, 1.7.1/29, 1.7.1/71

simetrik bitişik bulunmama
olasılığı, 1.7.1/17, 1.7.1/59

Simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli

simetrik bulunmama olasılığı,
1.7.1/4, 1.7.1/46

simetrik ayırım bulunmama
olasılığı, 1.7.1/24, 1.7.1/66

simetrik bitişik bulunmama
olasılığı, 1.7.1/11, 1.7.1/12,
1.7.1/53, 1.7.1/54

simetrik bitişik-ayırım bulunmama
olasılığı, 1.7.1/37, 1.7.1/78,
1.7.1/79

düzgün simetrik bulunmama
olasılığı, 1.7.1/12, 1.7.1/54

düzgün olmayan simetrik
bulunmama olasılığı, 1.7.1/37,
1.7.1/79

Simetrisinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bulunmama olasılığı, 1.7.1/3, 1.7.1/45

Simetrisinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama
olasılığı, 1.7.3/27

simetrik bitişik bulunmama
olasılığı, 1.7.2/27

simetrik bitişik-ayırım bulunmama
olasılığı, 1.7.4/46

ilk simetrik ayırım bulunmama
olasılığı, 1.8.3/19

ilk simetrik bitişik bulunmama
olasılığı, 1.8.2/18, 1.8.2/19

ilk simetrik bitişik-ayırım
bulunmama olasılığı, 1.8.4/28,
1.8.4/29

tek kalan simetrik ayırım
bulunmama olasılığı, 1.9.3/27

tek kalan simetrik bitişik
bulunmama olasılığı, 1.9.2/25

tek kalan simetrik bitişik-ayırım
bulunmama olasılığı, 1.9.4/42

kalan simetrik ayırım bulunmama
olasılığı, 1.10.3/27

kalan simetrik bitişik bulunmama
olasılığı, 1.10.2/27

kalan simetrik bitişik-ayırım
bulunmama olasılığı, 1.10.4/46

Simetrisinin durumuna bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama
olasılığı, 1.7.3/15

simetrik bitişik bulunmama
olasılığı, 1.7.2/16

simetrik bitişik-ayırım bulunmama
olasılığı, 1.7.4/25

simetrik bulunmama olasılığı,
1.7.1/101

ilk simetrik ayırım bulunmama
olasılığı, 1.8.3/11

ilk simetrik bitişik bulunmama
olasılığı, 1.8.2/11

ilk simetrik bitişik-ayırım
bulunmama olasılığı, 1.8.4/16

ilk düzgün simetrik bulunmama olasılığı, 1.8.6/11
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/199
 ilk simetrik bulunmama olasılığı, 1.8.1/15
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/15
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/14
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/23
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/12, 1.9.6/13
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/258
 tek kalan simetrik bulunmama olasılığı, 1.9.1/21, 1.9.1/22
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/15, 1.10.3/16
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/16
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/25
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/14, 1.10.6/15
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/348
 kalan simetrik bulunmama olasılığı, 1.10.1/19
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/14
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/347

Simetrisinin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz

simetrik bulunmama olasılığı, 1.7.1/242
 ilk simetrik bulunmama olasılığı, 1.8.1/144
 tek kalan simetrik bulunmama olasılığı, 1.9.1/161
 kalan simetrik bulunmama olasılığı, 1.10.1/161

Simetrisinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/120

simetrik bitişik bulunmama olasılığı, 1.7.2/101
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.4/197
 simetrik bulunmama olasılığı, 1.7.1/192
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/89
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/70, 1.8.2/71
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/130
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/57
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/312
 ilk simetrik bulunmama olasılığı, 1.8.1/98
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/123
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/87
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/183
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/66
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/375
 tek kalan simetrik bulunmama olasılığı, 1.9.1/112, 1.9.1/113
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/121
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/101
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/197
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/92
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/532
 kalan simetrik bulunmama olasılığı, 1.10.1/111
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/91
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/531

Simetrisinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/37
 simetrik bitişik bulunmama olasılığı, 1.7.2/29
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.4/66
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/26
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/20
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/39, 1.8.4/40
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/37
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/26
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/60
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/37, 1.10.3/38
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/29
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/66
 Simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz
 simetrik ayırım bulunmama olasılığı, 1.7.3/95
 simetrik bitişik bulunmama olasılığı, 1.7.2/76
 simetrik bitişik-ayırım olasılığı, 1.7.4/155
 simetrik bulunmama olasılığı, 1.7.1/152
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/69
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/55
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/101
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/27
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/235
 ilk simetrik bulunmama olasılığı, 1.8.1/60, 1.8.1/61
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/97

tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/66
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/142
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/30
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/295
 tek kalan simetrik bulunmama olasılığı, 1.9.1/73
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/96
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/76
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/155
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/41
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/405
 kalan simetrik bulunmama olasılığı, 1.10.1/70, 1.10.1/71
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/41
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/403, 1.11.1/404

Simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/144, 1.7.3/145
 simetrik bitişik bulunmama olasılığı, 1.7.2/124
 simetrik bitişik-ayırım olasılığı, 1.7.4/239
 simetrik bulunmama olasılığı, 1.7.1/249
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/106
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/86
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/162
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/86
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/399
 ilk simetrik bulunmama olasılığı, 1.8.1/150

tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/145
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/108
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/224
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/103
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/467
 tek kalan simetrik bulunmama olasılığı, 1.9.1/169
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/145, 1.10.3/146
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/125, 1.10.2/126
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/240
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/142, 1.10.6/143
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/724
 kalan simetrik bulunmama olasılığı, 1.10.1/169
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/142
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/722, 1.11.1/723

Simetrisinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/852, 1.7.3/853
 simetrik bitişik bulunmama olasılığı, 1.7.2/518, 1.7.2/519
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.5/6
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/604
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/313, 1.8.2/314
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.5/4
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/165
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.7/4

tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/816
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/411, 1.9.2/412
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.5/5
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/215
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.7/5, 1.9.7/6
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/855
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/520, 1.10.2/521
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.5/6
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/306
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.7/6
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/306
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.2/6

Simetrisinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/53
 simetrik bitişik bulunmama olasılığı, 1.7.2/44
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.4/93
 simetrik bulunmama olasılığı, 1.7.1/115
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/37
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/32, 1.8.2/33
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/58
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/26
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/234
 ilk simetrik bulunmama olasılığı, 1.8.1/27

tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/53
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/39
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/81
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/29
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/293
 tek kalan simetrik bulunmama olasılığı, 1.9.1/38
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/54
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/44
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/93, 1.10.4/94
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/40, 1.10.6/41
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/402
 kalan simetrik bulunmama olasılığı, 1.10.1/33, 1.10.1/34
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/40
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/401

Simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/247
 simetrik bitişik bulunmama olasılığı, 1.7.2/198
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.4/404
 simetrik bulunmama olasılığı, 1.7.1/372
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/178
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/128
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/270
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/163, 1.8.6/164
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/629

ilk simetrik bulunmama olasılığı, 1.8.1/254
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/242
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/165, 1.9.2/166
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/374
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/213
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/728, 1.9.6/729
 tek kalan simetrik bulunmama olasılığı, 1.9.1/280
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/248
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/199
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/405
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/305
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/1325, 1.10.6/1326
 kalan simetrik bulunmama olasılığı, 1.10.1/292, 1.10.1/293
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/304
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/1324, 1.11.1/1325

Simetrisinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayırım bulunmama olasılığı, 1.7.3/875
 simetrik bitişik bulunmama olasılığı, 1.7.2/568, 1.7.2/569
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.5/74, 1.7.5/75
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/621
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/353
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.5/56

ilk düzgün simetrik bulunmama olasılığı, 1.8.6/165, 1.8.6/166
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.7/67
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/837
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/469
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.5/78
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/215, 1.9.6/216
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.7/88
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/877, 1.10.3/878
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/570, 1.10.2/571
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.5/74, 1.10.5/75
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/307
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.7/85
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/306
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.2/85
 Simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz
 simetrik ayırım bulunmama olasılığı, 1.7.3/350
 simetrik bitişik bulunmama olasılığı, 1.7.2/273, 1.7.2/274
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.4/566, 1.7.4/567
 simetrik bulunmama olasılığı, 1.7.1/464
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/251, 1.8.3/252
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/172, 1.8.2/173
 ilk simetrik bitişik-ayırım bulunmama olasılığı, 1.8.4/280, 1.8.4/281
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/164

ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/629, 1.8.6/630
 ilk simetrik bulunmama olasılığı, 1.8.1/328
 tek kalan simetrik ayırım bulunmama olasılığı, 1.9.3/340
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/225, 1.9.2/226
 tek kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.9.4/523
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/214
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.6/729
 tek kalan simetrik bulunmama olasılığı, 1.9.1/359
 kalan simetrik ayırım bulunmama olasılığı, 1.10.3/352
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/274, 1.10.2/275
 kalan simetrik bitişik-ayırım bulunmama olasılığı, 1.10.4/567, 1.10.4/568
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/305
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.6/1326
 kalan simetrik bulunmama olasılığı, 1.10.1/384
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/305
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.1/1325
 Simetrisinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz
 simetrik ayırım bulunmama olasılığı, 1.7.3/900
 simetrik bitişik bulunmama olasılığı, 1.7.2/620
 simetrik bitişik-ayırım bulunmama olasılığı, 1.7.5/146, 1.7.5/147
 ilk simetrik ayırım bulunmama olasılığı, 1.8.3/640
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/394

ilk simetrik bitişik-ayrım bulunmama olasılığı, 1.8.5/109
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/166
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.7/131
 tek kalan simetrik ayrım bulunmama olasılığı, 1.9.3/859
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/530
 tek kalan simetrik bitişik-ayrım bulunmama olasılığı, 1.9.5/151
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/216
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.7/172
 kalan simetrik ayrım bulunmama olasılığı, 1.10.3/902
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/622
 kalan simetrik bitişik-ayrım bulunmama olasılığı, 1.10.5/146, 1.10.5/147
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/308
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.7/166
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/307
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.2/165

Simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı bağımlı olasılıklı farklı dizilimsiz

simetrik ayrım bulunmama olasılığı, 1.7.3/1102, 1.7.3/1103
 simetrik bitişik bulunmama olasılığı, 1.7.2/974
 simetrik bitişik-ayrım bulunmama olasılığı, 1.7.5/671, 1.7.5/672
 ilk simetrik ayrım bulunmama olasılığı, 1.8.3/751, 1.8.3/752
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/641
 ilk simetrik bitişik-ayrım bulunmama olasılığı, 1.8.5/451
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/167

ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.7/540, 1.8.7/541
 tek kalan simetrik ayrım bulunmama olasılığı, 1.9.3/1042, 1.9.3/1043
 tek kalan simetrik bitişik bulunmama olasılığı, 1.9.2/896
 tek kalan simetrik bitişik-ayrım bulunmama olasılığı, 1.9.5/659
 tek kalan düzgün simetrik bulunmama olasılığı, 1.9.6/217
 tek kalan düzgün olmayan simetrik bulunmama olasılığı, 1.9.7/743
 kalan simetrik ayrım bulunmama olasılığı, 1.10.3/1104, 1.10.3/1105
 kalan simetrik bitişik bulunmama olasılığı, 1.10.2/976
 kalan simetrik bitişik-ayrım bulunmama olasılığı, 1.10.5/671, 1.10.5/672
 kalan düzgün simetrik bulunmama olasılığı, 1.10.6/308, 1.10.6/309
 kalan düzgün olmayan simetrik bulunmama olasılığı, 1.10.7/765
 toplam düzgün simetrik bulunmama olasılığı, 1.11.1/308
 toplam düzgün olmayan simetrik bulunmama olasılığı, 1.11.2/763

Simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz

simetrik ayrım bulunmama olasılığı, 1.7.3/4
 simetrik bitişik bulunmama olasılığı, 1.7.2/4
 simetrik bitişik-ayrım olasılığı, 1.7.4/4, 1.7.4/5
 simetrik bulunmama olasılığı, 1.7.1/86
 ilk simetrik ayrım bulunmama olasılığı, 1.8.3/4
 ilk simetrik bitişik bulunmama olasılığı, 1.8.2/3, 1.8.2/4
 ilk simetrik bitişik-ayrım bulunmama olasılığı, 1.8.4/4
 ilk düzgün simetrik bulunmama olasılığı, 1.8.6/3, 1.8.6/4
 ilk düzgün olmayan simetrik bulunmama olasılığı, 1.8.6/169

ilk simetrik bulunmama olasılığı,
1.8.1/4
tek kalan simetrik ayırım
bulunmama olasılığı, 1.9.3/4
tek kalan simetrik bitişik
bulunmama olasılığı, 1.9.2/4
tek kalan simetrik bitişik-ayırım
bulunmama olasılığı, 1.9.4/4
tek kalan düzgün simetrik
bulunmama olasılığı, 1.9.6/3
tek kalan düzgün olmayan simetrik
bulunmama olasılığı, 1.9.6/220
tek kalan simetrik bulunmama
olasılığı, 1.9.1/4
kalan simetrik ayırım bulunmama
olasılığı, 1.10.3/4
kalan simetrik bitişik bulunmama
olasılığı, 1.10.2/4
kalan simetrik bitişik-ayırım
bulunmama olasılığı, 1.10.4/5
kalan düzgün simetrik bulunmama
olasılığı, 1.10.6/4
kalan düzgün olmayan simetrik
bulunmama olasılığı, 1.10.6/312
kalan simetrik bulunmama olasılığı,
1.10.1/4
toplam düzgün simetrik bulunmama
olasılığı, 1.11.1/4
toplam düzgün olmayan simetrik
bulunmama olasılığı, 1.11.1/311

T

Tek kalan simetrik

bitişik bulunmama olasılığı, 1.9.2/3
ayırım bulunmama olasılığı, 1.9.3/3

VDOİHİ’de Olasılık ve İhtimal konularının tanım ve eşitlikleri verilmektedir. Ayrıca VDOİHİ’de olasılık ve ihtimalin uygulama alanlarına da yer verilmektedir. VDOİHİ konu anlatım ciltleri ve aynı cilt numaraları ile soru, problem ve ispat çözümlerinden oluşmaktadır. Bu cilt bağımlı olasılıklı farklı dizilimsiz olasılık dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda, simetrinin belirli durumlarının bulunabileceği olaylara göre kalan simetrik bitişik-ayrım bulunmama olasılığının, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı Olasılıklı Farklı Dizilimsiz Dağılımlarda Simetrinin Durumlarının Bulunabileceği Olaylara Göre Kalan Simetrik Bitişik-Ayrım Bulunmama Olasılığı kitabında bağımlı durum sayısı bağımlı olay sayısından büyük farklı dizilimsiz dağılımlardan, dağılımın ilk durumu haricindeki durumlarla başlayan dağılımlarda; simetriden seçilecek bir duruma, simetrinin ilk ve son durumuna, simetrinin ilk ve herhangi bir durumuna, simetrinin herhangi iki durumuna, simetrinin ilk ve herhangi iki durumuna, simetrinin ilk herhangi bir ve son durumuna ve simetrinin ilk herhangi iki ve son durumlarının bulunabileceği olaylara göre kalan simetrik bitişik-ayrım bulunmama olasılığının, tanım ve eşitlikleri verilmektedir.

VDOİHİ’nin diğer ciltlerinde olduğu gibi bu ciltte de verilen eşitlikler, olasılık tablolarından elde edilen verilerle üretilmiştir. Diğer eşitlikler ise ana eşitliklerden teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde dış kaynak kullanılmamıştır.