VDOİHİ

Bağımlı ve Bir Bağımsız Olasılıklı Büyük Farklı Dizilimli Bir Bağımlı-Bir Bağımsız ve Bağımlı-Bir Bağımsız Durumlu Simetrinin Bağımlı Durumlarla Başlayan Dağılımlardaki Kalan Düzgün Olmayan Simetrik Olasılığı Cilt 2.2.21.3

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1. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli kalan düzgün olmayan simetrik olasılık 2. Bir Bağımlı-bir bağımsız durumlu simetrinin kalan düzgün olmayan simetrik olasılığı 3. Bağımlı-bir bağımsız durumlu simetrinin kalan düzgün olmayan simetrik 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 deklaritif bilgi yapılarıyla birlikte matematik mantık yapıları üzerine çalışmalar yapmıştır. Yazarın farklı alanlarda yapmış olduğu çalışmalar arasında ölçme ve değerlendirmeye yönelik çalışmaları da mevcuttur.

Yazar ve VDOİHİ

Yazar doktora tez çalışmasına kadar, dijital makinalarla sayısallaştırılabilen fakat insan tarafından sayısallaştırılamayan verileri, **a**nlamlı en **k**üçük **p**arça (akp)'larına ayırıp skorlandırarak, sayısallaştırma problemini çözmüştür. Anlamlı en küçük parçaların Türkçe kısaltmasını olasılığın birimlendirilebilir olmasından dolayı, olasılığın birimini akp olarak belirlemiştir. Matematiğinin başlangıcı olasılık olan tüm bağımlı değişkenlerde olabileceği gibi aynı zamanda enformasyonunda temeli olasılık olduğundan, enformasyon içeriğinin de doğal birimi akp'dir.

Verilerin objektif lojik semplisitede sayısallaştırılmasıyla **V**eri **D**eğişkenleri **O**lasılık ve **İ**htimal **H**esaplama **İ**statistiği (VDOİHİ) geliştirilmeye başlanmıştır. Doktora tezinin nitel verilerini, bir ilk olarak, -1, 0, 1 skorlarıyla sayısallaştırarak iki tabanlı olasılığı sınıflandırıp; pozitif, negatif (ve negatiflerdeki pozitif skorlar için ayrıca eşitlik tanımlaması yapılıp), ilişkisiz ve sıfır skor aşamalarında değerlendirme yöntemi geliştirmiştir. Bu yöntemin tüm kavramlarının; tanım ve formülleriyle 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 edilebilecek bulguların sözel ifadelerini veren yazılım paket programı gerçek ve olması gereken yapay zekanın ilk örneğidir.

Yazar, ölçme araçları için madde tekniği tanımlayıp, değerlendirme yöntemlerini belirginleştirilerek, 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 **P**roblem **Ç**özüm **T**eknikleri (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

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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 birey 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 düzeyde, ölçme ve değerlendirmeye, katılabilmesinin yolu yazar tarafından açılmış olmasına karşılık, günümüze kadar yukarıda bahsedilen boyutların ilgi düzeyinde, eğitimde ölçme ve değerlendirmede, tek boyuttan öteye (lineer değerlendirme) geçirilememiştir. Bu noktadan sonra, ölçme ve değerlendirmeye fark istatistiğiyle boyut kazandırılabilmiştir. Fark istatistiğiyle kazandırılan boyutlarında hem ihtimallerden çıkarılacak yeni boyutlar hem de ihtimallerin fark istatistiğinden türetilebilecek boyutların yanında güdük kalacağı kesin! Ölçme ve değerlendirmeye yeni boyutlar kazandırılmasının 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 ileride devam edilecektir. Fakat öğretim süreçlerinin; teorik öngörülerle ve/veya insanın yaradılışına uyma olasılığı son derece düşük doğrusal değerlendirmelerle yapılandırılması, yazar tarafından insanlığa ihanet olarak görüldüğünden, doğru verilerle eğitimin bilimsel niteliklerde yapılandırılabilmesi için, ölçme ve değerlendirmeye yeni boyutlar kazandırılmaktadır.

Günümüze kadar yaşayan dillere 10 kavram bile kazandırabilen hemen hemen yokken, yayınlanan VDOİHİ ciltlerinde (cilt 1, 2.1.1, 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 tanımlarıyla birlikte, eşitlikleri de verilmiştir. Bu düzeyde yani bilimsel düzeyde, bilime kavramlar Türkçe olarak kazandırılmıştır. Yayınlanacak VDOİHİ'lerde bilime Türkçe kazandırılacak kavramların on binler düzeyinde olacağı öngörülmektedir.

VDOİHİ'de verilen eşitlikler aynı zamanda dillerinde eşitlikleridir. Diğer bir ifadeyle dillerin matematik yapıları VDOİHİ ile ortaya çıkarılmıştır. Türkçe ve İngilizcenin olasılık yapıları VDOİHİ'de belirlenerek, formüllerin dillere (ağırlıklı Türkçe) uygulamalarıyla hem dillerin objektif yapıları belirginleştiriliyor hem de makina-insan arası iletişimde, makinaların iletişim kurabilmesinde 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

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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 vurmayı 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 bireye, 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 epistemolojileriyle (0. epistemolojik seviye) en azından 1. epistemolojik seviye bilgilerinin birlikte verildiği ya ilk yada ilk örneklerinden biri VDOİHİ'dir. Bu kapsamda VDOİHİ'de şimdiye kadar yaklaşık 1000 kavramın, bilime kazandırıldığı yukarıda belirtilmişti. Bu kapsamda yine 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; simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık eşitliği) c) hem değişken uzunluklu hem işlem uzunluklu (örneğin; simetrinin 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; $\sum_{i=s}^{n} \mp$) yapılarda verilmektedir. Sabit değişkenli eşitliklerle, bilim ve teknolojideki gereksinimlerin çoğunluğu karşılanabilirken, geleceğin bilim ve teknolojisinde ihtiyaç duyulabilecek eşitlik yapıları kasıtlı olarak aktiflenmiş veya geliştirilmiştir.

İnsanın hem öğrenmesinin desteklenmesi hem de bilginin teknolojiyle ilişkisini kurabilmesi için özellikle VDOİHİ Soru Problem İspat Çözümleri ciltlerinde, soru ve problem birbirinden ayrılarak yeniden tanımlanıp sınırları belirlenmiştir. Böylece örnek, soru, problem ve ispat arasındaki farklılıklar belirginleştirilmiştir. Ayrıca yine insanın hem öğrenmesinin desteklenmesi hem de bilginin teknolojiyle ilişkisini daha kesin kurabilmesi için Sertaç ÖZENLİ'nin İlmi Sohbetler eserinin M5-M6 sayfalarında verilen epistemolojik seviye tanımları; örnek, soru, problem ve ispatlara uyarlanmıştır. Böylece; örnek, soru, problem ve ispatların epistemolojileriyle, hem bilgiyle-öğrenme arasında hem de bilgi-teknoloji arasında yeni bir 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. İkiden 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

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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 bilimsel-matematiksel yapısı VDOİHİ ile kurulmuş ve kurulmaya devam etmektedir.

VDOİHİ'de verilen eşitlikler aynı zamanda en küçük biyolojik birimden itibaren anlamlı temel biyolojik birimin "genetiğin" temel matematiğidir. En küçük biyolojik birim olarak DNA alındığında, VDOİHİ'de verilen eşitlikler DNA, RNA, Protein, Gen ve teknolojilerinin 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 birimlerin laboratuvar ortamlarında üretiminin planlı ve kontrollü yapılabilmesinde ihtiyaç duyulacak temel eşitliklerdir. Böylece bir canlının, örneğin insanın, atom düzeyinden 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 dini, etik, ahlaki v.d. aşamalarda da doğru kararların verilmesi gerekir. Fakat organların v.b. biyolojik birimlerin laboratuvar ortamında üretilmesinin önünde benzeri aşamaların engel oluşturduğu söylenemez. İhtiyaç halinde bir insanın; organının, sisteminin veya uzvunun v.b. her yönüyle aynısının 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 değerli olduğunu düşünüyorum. Bu yaradan'ın bize ulaşabilmemiz için verdiği bilgidir. Eğer ulaşılması istenmeseydi, bizim öyle bir imkanımızda olamazdı. Fakat bilginin, bizim ulaşabileceğimiz bilgi olması, yani gerçeğin bilgisi olması, her zaman ve her durumda uygulanabilir olacağı anlamına gelmez. Umarım yapmak ile yaratmak birbirine karıştırılmaz!

VDOİHİ'de hem sonsuz 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 tanımı yapılarak, kütüphane ve referans bilgileriyle ilişkilendirilmiştir. Daha sonra VDOİHİ ve Telifli eserlerinde insanlığın gelişimini ivmelendirecek; yapay zeka görev kodları, verilerin analizleriyle ait olduğu disiplinlin 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

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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 özgürlerinin gasp edilmesinin önünde güçlü bir engel teşkil edecektir. Bugüne kadar artifical inteligence 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 doktora tez çalışması başta olmak üzere belirli çalışmalarında kütüphane bilgisinin ileri örnekleri başarıldığından, b) ilk defa VDOİHİ ve Telifli eserlerinde referans bilgisini üreten yazılımlar başarıldığından ve c) yapay zekanın gereksinim duyabileceği dijital teknoloji yerine, sonsuz çalışma prensibine dayalı elektronik teknolojisinin bilimsel-matematiksel yapısı yazar tarafından geliştirildiğinden, insanlığın bugüne kadar uyguladığı teamüller gereği adlandırmanın da Türkçe yapılması elzem ve adil bir zorunluluktur. Bu nedenle insan biyolojisinin ürünü olmayan zeka "yapay zeka" ve insan biyolojisinin ürünü olamayan zekayla insanlığın gelişiminin ivmelendirildiği zaman periyodu da "yapay zeka çağı" olarak adlandırılmalıdır.

Yazar tarafından VDOİHİ'de, Cebirden günümüze; a) bilimsel gelişim, olması gereken veya olabilecek gelişime göre düşük olduğundan, b) teorik çalışmaların omurgasının matematiğe terk edilmesi ve matematikçilerinde üzerlerine düşeni yeterince yerine getirememelerinden dolayı, c) yapay zeka karşısında buhrana düşülmesinin 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 tanımı 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 tanımı yapılarak, VDOİHİ'de yasa/eşitliklerin, olasılık eşitlikleri üzerinden genel yapıları verilmiştir.

Yazar tarafından VDOİHİ Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Simetrik Bulunmama 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 şuurluluğun 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

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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 önlenebilmesi nedenleriyle ve en önemlisi Yaradan'ın bizlere verdiği adaletin insan tarafından saptırılamaması için; VDOİHİ, bugüne kadarki eserlerle kıyaslanamayacak ölçüde daha kapsamlı verilmeye çalışılmaktadır.

Yazar VDOİHİ'nin ciltlerini, Türkçe ve insanlığın tek evrensen dili olan matematik-mantık dillerinde yazmaktadır. Yazar eserlerinden insanlığın aynı niteliklerle yararlanabilmesi için her kişiye eşit mesafede ve anlaşılırlıkta olan günümüze kadar insanlığın geliştirebildiği 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 kendini mihenk taşı gören zavallılar sınıfı
- ✓ Baskın dillerin, dünya dili olabilmesi
- ✓ VDOİHİ ve Telifli eserlerinde verilen eşitlik ve yasa belirleme yazılımlarıyla, gerçeklerden uzak ve ufuksuz sözde akademisyenlere insanlığın tahammülü
- ✓ Bilim ve teknolojide sermayeye olan bağımlılık
- ✓ Sermaye birikiminin gücü
- ✓ Primitif ölçme ve değerlendirme

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

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Simge ve Kısaltmalar

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

n_i: dağılımın ilk bağımlı durumun bulunabileceği olayın, dağılımın ilk olayından itibaren sırası

n_{ik}: simetride, simetrinin aranacağı durumdan önce bulunan bağımlı durumun (j_{ik}'da bulunan durum), bir bağımlı ve bir bağımsız olasılıklı dağılımlarda bulunabileceği olayların, ilk olaydan itibaren sırası veya simetrinin iki bağımlı durum arasında bağımsız durumun bulunduğunda bağımsız durumdan önceki bağımlı durumun, bir bağımlı ve bir bağımsız olasılıklı dağılımlarda bulunabileceği olayların ilk olaydan itibaren sırası

n_s: simetrinin aranacağı bağımlı durumunun (simetrinin sonuncu bağımlı durumu) bulunabileceği olayların ilk olaya göre sırası

n_{sa}: simetrinin aranacağı bağımlı durumunun bulunabileceği olayların ilk olaya göre sırası veya bağımlı olasılıklı dağılımların j^{sa}'da bulunan durumun (simetrinin j_{sa}' daki bağımlı durum) bir bağımlı ve bir bağımsız olasılıklı dağılımlarda bulunabileceği olayların, dağılımın ilk olayından itibaren sırası

$\imath$: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

$\mathbb{l}$: simetrinin bağımlı durumlarından önce bulunan bağımsız durum sayısı

$\boldsymbol{I}$: simetrinin bağımlı durumlarından sonra bulunan bağımsız durum sayısı

$\mathbb{k}$: simetrinin bağımlı durumları arasındaki bağımsız durumların sayısı

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

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

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

j_{ik}: simetrinin ikinci olayındaki durumun, gelebileceği olasılık dağılımlarındaki olayın sırası (son olaydan ilk olaya doğru) veya simetride, simetrinin aranacağı durumdan önce bulunan bağımlı durumun, bağımlı olasılıklı dağılımlarda bulunabileceği olayların, son olaydan itibaren sırası veya simetrinin iki bağımlı durum arasında bağımsız durumun bulunduğunda 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

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

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

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

j_{sa}: simetriyi oluşturan bağımlı durumlar arasında simetrinin aranacağı durumun bulunduğu olayın, simetrinin son olayından itibaren sırası

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

D: bağımlı durum sayısı

D_i: olayın durum sayısı

s: simetrinin bağımlı durum sayısı

$\boldsymbol{s}$: simetrik durum sayısı. Simetrinin bağımlı ve bağımsız durum sayısı

$\boldsymbol{n_s}$: simetrinin bağımlı olay sayısı

$\mathbb{m}_I$: simetrinin bağımsız olay sayısı

d: seçim içeriği durum sayısı

m: olasılık

M: olasılık dağılım sayısı

U: uyum eşitliği

u: uyum derecesi

s_i: olasılık dağılımı

S: simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu simetrik olasılık

S^{DS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu kalan simetrik olasılık

S^{DSS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu kalan düzgün simetrik olasılık

S^{DOS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu kalan düzgün olmayan simetrik olasılık

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

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

$S_{j_s\,,j_{ik},j_i}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{i,j_s\,,j_{ik},j_i}$: düzgün ve düzgün olmayan simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{D=\boldsymbol{n}}$: bağımlı olay sayısı bağımlı durum sayısına eşit bağımlı olasılıklı "farklı dizilimli" dağılımlarda simetrik olasılık

$S_{D>\boldsymbol{n}}$: bağımlı olay sayısı bağımlı durum sayısından büyük bağımlı olasılıklı "farklı dizilimli" dağılımlarda simetrik olasılık

$_{D=\boldsymbol{n}<n}S \equiv S$: simetri bağımlı durumlardan oluştuğunda, bağımlı ve bir bağımsız olasılıklı dağılımlarda simetrik olasılık

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S_0: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız simetrik olasılık

S_0^{DS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız kalan simetrik olasılık

S_0^{DSS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız kalan düzgün simetrik olasılık

S_0^{DOS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız kalan düzgün olmayan simetrik olasılık

S_D: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı simetrik olasılık

S_D^{DS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı kalan simetrik olasılık

S_D^{DSS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı kalan düzgün simetrik olasılık

S_D^{DOS} : bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı kalan düzgün olmayan simetrik olasılık

${}_0S$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu simetrik olasılık

${}_0S^{DS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu kalan simetrik olasılık

${}_0S^{DSS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu kalan düzgün simetrik olasılık

${}_0S^{DOS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu kalan düzgün olmayan simetrik olasılık

${}_0S_0$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız simetrik olasılık

${}_0S_0^{DS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız kalan simetrik olasılık

${}_0S_0^{DSS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız kalan düzgün simetrik olasılık

${}_0S_0^{DOS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız kalan düzgün olmayan simetrik olasılık

${}_0S_D$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı simetrik olasılık

${}_0S_D^{DS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı kalan simetrik olasılık

${}_0S_D^{DSS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı kalan düzgün simetrik olasılık

${}_0S_D^{DOS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı kalan düzgün olmayan simetrik olasılık

${}^0S$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız

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durumlu simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu simetrik olasılık

${}^{0}S^{DS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu kalan simetrik olasılık

${}^{0}S^{DSS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu kalan düzgün simetrik olasılık

${}^{0}S^{DOS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu kalan düzgün olmayan simetrik olasılık

${}^{0}S_{0}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız simetrik olasılık

${}^{0}S_{0}^{DS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız kalan simetrik

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olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız kalan simetrik olasılık

$^{0}S_{0}^{DSS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız kalan düzgün simetrik olasılık

$^{0}S_{0}^{DOS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız kalan düzgün olmayan simetrik olasılık

$^{0}S_{D}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı durumlu simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı simetrik olasılık

$^{0}S_{D}^{DS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı kalan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı kalan simetrik olasılık

$^{0}S_{D}^{DSS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan düzgün simetrik

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olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı kalan düzgün simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı kalan düzgün simetrik olasılık

${}^{0}S_{D}^{DOS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık

S_{j_i}: simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

S_{2,j_i}: iki durumlu simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

S_{i,j_i}: düzgün ve düzgün olmayan simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{i,2,j_i}$: düzgün ve düzgün olmayan iki durumlu simetrinin son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{j_s\,,j_i}$: simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{i,j_s\,,j_i}$: düzgün ve düzgün olmayan simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{i,2,j_s\,,j_i}$: düzgün ve düzgün olmayan iki durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

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

$S_{i,\,j_s\,,j^{sa}}$: düzgün ve düzgün olmayan simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

S_{j_{ik},j_i}: simetrinin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

S_{i,j_{ik},j_i}: düzgün ve düzgün olmayan simetrinin her durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik olasılık

$S_{j^{sa}\Leftarrow}$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S_{j^{sa}}^{DSD}$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün simetrik olasılık

$S_{artj^{sa}\Leftarrow}$: simetrinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

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$S_{j_s\,,artj^{sa}\Leftarrow}$: simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S_{j_s\,,j_i\Leftarrow}$: simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S^{DSD}_{j_s\,,j_i}$: simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik olasılık

$S_{j_s\,,j^{sa}\Leftarrow}$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S^{DSD}_{j_s\,,j^{sa}}$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik olasılık

$S_{j_{ik},j^{sa}\Leftarrow}$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S^{DSD}_{j_{ik},j^{sa}}$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün simetrik olasılık

$S_{j_s\,,j_{ik},j^{sa}\Leftarrow}$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S^{DSD}_{j_s\,,j_{ik},j^{sa}}$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik olasılık

$S_{\Leftarrow j_s\,,j_{ik},j^{sa}\Leftarrow}$: simetrinin ilk herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S_{j_s\,,j_{ik},j_i\Leftarrow}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S^{DSD}_{j_s\,,j_{ik},j_i}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün simetrik olasılık

$S_{\Leftarrow j_s\,,j_{ik},j_i\Leftarrow}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik olasılık

$S_{j^{sa}\Rightarrow}$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayrım olasılığı

$S_{artj^{sa}\Rightarrow}$: simetrinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik ayrım olasılığı

$S_{j_s\,,artj^{sa}\Rightarrow}$: simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayrım olasılığı

$S_{j_s\,,j_i\Rightarrow}$: simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik ayrım olasılığı

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

$S_{j_{ik},j^{sa}\Rightarrow}$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik ayrım olasılığı

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

$S^{DOSD}_{j_s\,,j_{ik},j^{sa}}$: simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik olasılık

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

$S_{j_s\,,j_{ik},j_i\Rightarrow}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik ayrım olasılığı

$S^{DOSD}_{j_s\,,j_{ik},j_i}$: simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik olasılık

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

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

$S^{DOSD}_{j^{sa}}$: simetrinin durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik olasılık

$S_{artj^{sa}\Leftrightarrow}$: simetrinin art arda durumlarına bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı olasılığı

$S_{j_s\,,artj^{sa}\Leftrightarrow}$: simetrinin ilk durumuna göre herhangi art arda iki durumuna bağlı bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı olasılığı

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

$S^{DOSD}_{j_s\,,j_i}$: simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik olasılık

$S_{j_s\,,j^{sa}\Leftrightarrow}$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli simetrik bitişik-ayrı olasılığı

$S^{DOSD}_{j_s\,,j^{sa}}$: simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik olasılık

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

$S^{DOSD}_{j_{ik},j^{sa}}$: simetrinin herhangi iki durumuna bağlı bağımlı olasılıklı farklı dizilimli düzgün olmayan simetrik olasılık

S_{BBj_i}: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımlı durumun simetrinin son durumuna bağlı simetrik olasılık

$S_{BBj^{sa}\Leftarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin bir bağımlı durumuna bağlı simetrik bitişik olasılık

$S_{BBj_{ik},j^{sa}\Leftarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin iki bağımlı durumuna bağlı simetrik bitişik olasılık

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$S_{BBj_s,j^{sa}\Leftarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk ve herhangi bir bağımlı durumuna bağlı simetrik bitişik olasılık

$S_{BBj_s,j_i\Leftarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk ve son bağımlı durumuna bağlı simetrik bitişik olasılık

$S_{BBj_s,j_{ik},j^{sa}\Leftarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk ve herhangi iki bağımlı durumuna bağlı simetrik bitişik olasılık

$S_{BBj_s,j_{ik},j_i\Leftarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk herhangi bir ve son bağımlı durumuna bağlı simetrik bitişik olasılık

$S_{BBj^{sa}\Rightarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin bir bağımlı durumuna bağlı simetrik ayrım olasılığı

$S_{BBj_{ik},j^{sa}\Rightarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin art arda iki bağımlı durumuna bağlı simetrik ayrım olasılığı

$S_{BBj_s,j^{sa}\Rightarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk ve herhangi bir bağımlı durumuna bağlı simetrik ayrım olasılığı

$S_{BBj_s,j_i\Rightarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk ve son bağımlı durumuna bağlı simetrik ayrım olasılığı

$S_{BBj_{ik},j_i,2}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın simetrinin iki bağımlı durumunun simetrik olasılığı

$S_{BBj_s,j_{ik},j^{sa}\Rightarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk ve herhangi iki bağımlı durumuna bağlı simetrik ayrım olasılığı

$S_{BBj_s,j_{ik},j_i\Rightarrow}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı-bağımsız-bağımlı durumun simetrinin ilk herhangi bir ve son bağımlı durumuna bağlı simetrik ayrım olasılığı

$S_{BB(j_{ik})_z,(j_i)_z}$: bir bağımlı ve bir bağımsız olasılıklı dağılımın simetrinin durumlarının bulunabileceği olaylara göre simetrik olasılık

S^B: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu simetrik bulunmama olasılığı

$S^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu kalan simetrik bulunmama olasılığı

$S^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu kalan düzgün simetrik bulunmama olasılığı

$S^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu kalan düzgün olmayan simetrik bulunmama olasılığı

S_0^B: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız simetrik bulunmama olasılığı

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$S_0^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız kalan simetrik bulunmama olasılığı

$S_0^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı

$S_0^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı

S_D^B: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumun bağımlı simetrik bulunmama olasılığı

$S_D^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı kalan simetrik bulunmama olasılığı

$S_D^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı

$S_D^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı

${}_0S^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu simetrik bulunmama olasılığı

${}_0S^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu kalan simetrik bulunmama olasılığı

${}_0S^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu kalan düzgün simetrik bulunmama olasılığı

${}_0S^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu kalan düzgün olmayan simetrik bulunmama olasılığı

${}_0S_0^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız simetrik bulunmama olasılığı

${}_0S_0^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız kalan simetrik bulunmama olasılığı

${}_0S_0^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı

${}_0S_0^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı

${}_0S_D^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı simetrik bulunmama olasılığı

${}_0S_D^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı kalan simetrik bulunmama olasılığı

${}_0S_D^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı

${}_0S_D^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı

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durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı

${}^{0}S^{B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu simetrik bulunmama olasılığı

${}^{0}S^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu kalan simetrik bulunmama olasılığı

${}^{0}S^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu kalan düzgün simetrik bulunmama olasılığı

${}^{0}S^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu kalan düzgün olmayan simetrik bulunmama olasılığı

${}^{0}S_{0}^{B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız simetrik bulunmama

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olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız simetrik bulunmama olasılığı

${}^{0}S_{0}^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız kalan simetrik bulunmama olasılığı

${}^{0}S_{0}^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız kalan düzgün simetrik bulunmama olasılığı

${}^{0}S_{0}^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı

${}^{0}S_{D}^{B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı durumlu simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı simetrik bulunmama olasılığı

${}^{0}S_{D}^{DS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı

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kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı kalan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı kalan simetrik bulunmama olasılığı

${}^{0}S_{D}^{DSS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı kalan düzgün simetrik bulunmama olasılığı

${}^{0}S_{D}^{DOS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama

${}^{1}S_{1}^{1}$: bir olay için bir durumun tek simetrik olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı durumun bağımlı tek simetrik olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir olay için bir bağımlı durumun tek simetrik olasılığı

${}^{1}S_{1}^{1,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir olay için bir bağımlı durumun tek simetrik bulunmama olasılığı

${}_{1}^{1}S_{1}^{1}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir dizilimin bağımlı tek simetrik olasılık

${}_{D}^{1}S_{1}^{1}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir olay için bağımlı tek simetrik olasılık

${}_{0}^{1}S_{1}^{1}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir olay için bağımsız tek simetrik olasılık

${}_{0}^{1}S_{1}^{1,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir olay için bağımsız tek simetrik bulunmama olasılığı

${}_{0,1}^{1}S_{1}^{1}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir dizilimin bağımsız tek simetrik olasılığı

${}_{0,1t}^{1}S_{1}^{1}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı durumun bağımsız tek simetrik olasılığı

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${}_{0,T}^{1}S_{1}^{1}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımın başladığı duruma göre tek simetrik olasılık

S_T: toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu toplam simetrik olasılık

${}^{1}S$: tek simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu tek simetrik olasılık

${}^{1}S^{B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu tek simetrik bulunmama olasılığı

${}_{0}S^{BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte simetrik olasılık

${}_{0}S^{DS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte kalan simetrik olasılık

${}_{0}S^{DSS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte kalan düzgün simetrik olasılık

${}_{0}S^{DOS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte kalan düzgün olmayan simetrik olasılık

${}_{0}S_{0}^{BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte simetrik olasılık

${}_{0}S_{0}^{DS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte kalan simetrik olasılık

${}_{0}S_{0}^{DSS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte kalan düzgün simetrik olasılık

${}_{0}S_{0}^{DOS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte kalan düzgün olmayan simetrik olasılık

${}_{0}S_{D}^{BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte simetrik olasılık

${}_{0}S_{D}^{DS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte kalan simetrik olasılık

${}_{0}S_{D}^{DSS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte kalan düzgün simetrik olasılık

${}_{0}S_{D}^{DOS,BS}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte kalan düzgün olmayan simetrik olasılık

$S_{0,T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız toplam simetrik olasılık

$S_{D,T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı toplam simetrik olasılık

${}_{0}S_{T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu toplam simetrik olasılık

${}_{0}S_{0,T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız toplam simetrik olasılık

${}_{0}S_{D,T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı toplam simetrik olasılık

${}^{0}S_{T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı

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büyük farklı dizilimli bağımlı-bir bağımsız durumlu toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu toplam simetrik olasılık

${}^{0}S_{0,T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız toplam simetrik olasılık eşitliği veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımsız toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız toplam simetrik olasılık

${}^{0}S_{D,T}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı toplam simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı toplam simetrik olasılık

${}_{0}S^{BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte simetrik bulunmama olasılığı

${}_{0}S^{DS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte kalan simetrik bulunmama olasılığı

${}_{0}S^{DSS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte kalan düzgün simetrik bulunmama olasılığı

${}_{0}S^{DOS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli birlikte kalan düzgün olmayan simetrik bulunmama olasılığı

${}_{0}S_{0}^{BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte simetrik bulunmama olasılığı

${}_{0}S_{0}^{DS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte kalan simetrik bulunmama olasılığı

${}_{0}S_{0}^{DSS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte kalan düzgün simetrik bulunmama olasılığı

${}_{0}S_{0}^{DOS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız birlikte kalan düzgün olmayan simetrik bulunmama olasılığı

${}_{0}S_{D}^{BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte simetrik bulunmama olasılığı

${}_{0}S_{D}^{DS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte kalan simetrik bulunmama olasılığı

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${}_0S_D^{DSS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte kalan düzgün simetrik bulunmama olasılığı

${}_0S_D^{DOS,BS,B}$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı birlikte kalan düzgün olmayan simetrik bulunmama olasılığı

S_T^B: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu toplam simetrik bulunmama olasılığı

$S_{0,T}^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımsız toplam simetrik bulunmama olasılığı

$S_{D,T}^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı durumlu bağımlı toplam simetrik bulunmama olasılığı

${}_0S_T^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu toplam simetrik bulunmama olasılığı

${}_0S_{0,T}^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız toplam simetrik bulunmama olasılığı

${}_0S_{D,T}^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımlı toplam simetrik bulunmama olasılığı

${}^0S_T^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu toplam simetrik bulunamama olasılığı

${}^0S_{0,T}^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımlı durumlu bağımsız toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımsız toplam simetrik bulunmama olasılığı

${}^0S_{D,T}^B$: bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı toplam simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bağımsız durumlu bağımlı toplam simetrik bulunmama olasılığı veya bağımlı

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ve bir bağımsız olasılıklı büyük farklı dizilimli bağımsız-bağımsız durumlu bağımlı toplam simetrik bulunmama olasılığı

GÜL DÜNYA

DURUM SAYISI OLAY SAYISINDAN KÜÇÜK DAĞILIMLAR

E

Durum Sayısı Olay Sayısından Küçük veya Bağımlı ve Bir Bağımsız Olasılık Dağılımları

E1 Farklı Dizilimli

- **Olasılık**
- **Olasılık Dağılım Sayısı**
- **Simetri Hesabı**
- **Olasılık Dağılımları**

E2 Farklı Dizilimsiz

- **Olasılık**
- **Olasılık Dağılım Sayısı**
- **Simetri Hesabı**
- **Olasılık Dağılımları**

Bir önceki bölümde bağımlı durum sayısı bağımlı olay sayısına eşit ve bağımsız olasılıklı bir dağılımla oluşturulabilecek dağılımların, olasılık dağılım sayısı, olasılık ve simetrik olasılıkları incelendi. Bağımlı durum sayısı bağımlı olay sayısına eşit olduğunda farklı dizilimsiz bir dağılım elde edilebileceğinden ve bu dağılımın bağımsız olasılıklı bir dağılımıyla elde edilebilecek farklı dizilimsiz olasılık dağılımları farklı dizilimli bir dağılım ve bağımsız olasılıklı bir dağılıma eşit olacağından farklı dizilimsiz dağılımlar incelenmedi. Bu bölümde ise bağımlı durum sayısı bağımlı olay sayısından büyük ve bağımsız olasılıklı bir dağılımla (bağımlı durumlardan farklı bir durumun bağımsız olasılıklı seçimiyle) oluşturulabilecek dağılımlar, farklı dizilimli ve farklı dizilimsiz dağılımlarla incelenecektir. Bölüm D'de olduğu gibi bu bölümün de hem farklı dizilimli hem de farklı dizilimsiz dağılımlarının seçim içeriği durum sayısı bir $(d = 1)$ olan dağılımların, bağımlı ve bir bağımsız olasılıklı dağılımları incelenecektir. Bu dağılımlar, bağımsız olasılıklı dağılımların bir dağılımıyla (aynı bağımsız durumun) veya bağımlı durumlardan farklı bir durumun bağımsız olasılıklı seçimiyle elde edilebildiğinden, bir bağımsız olasılıklı denilecektir. Bu bölümü, bir önceki bölümden ayırabilmek için farklı dizilimli dağılımlar ve bir bağımsız olasılıklı dağılımla elde edilebilecek dağılımların tanımlamalarında *bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli* tanımlaması kullanılacaktır. Farklı dizilimsiz dağılımlar ve bir bağımsız olasılıklı dağılımla elde edilebilecek dağılımların tanımlamalarında ise *bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz* tanımlaması kullanılacaktır. Bu bölümün hem farklı dizilimli hem farklı dizilimsiz dağılımlarında da durum sayısı (bağımlı) olay sayısından küçük $(D < n)$ olabilir. Fakat böyle bir sınırlama yoktur, çünkü bağımlı ve bir bağımsız olasılıklı büyük dağılımlar, bağımlı durumların kendinden daha az bağımlı olaya dağılımı ve bir bağımsız olasılıklı dağılımla elde edilebilen dağılımlardır. Durum sayısı olay sayısından büyük olduğunda yine durum sayısı olay sayısından küçük dağılımlar tanımlaması kullanılacaktır. Bu bölüm iki farklı alt bölümde verilecektir. Farklı dizilimli dağılımlar E1 alt bölümünde, farklı dizilimsiz dağılımlar ise E2 alt bölümünde incelenecektir. Her iki alt bölüm eşitliklerinin çıkarılmasında VDOİHİ'nin önceki bölümlerinde verilen eşitliklerden yararlanılarak yeni eşitlikler elde edilebilecektir.

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E1

Bağımlı ve Bir Bağımsız Olasılıklı Büyük Farlı Dizilimli Dağılımlar

- **Olasılık**
- **Olasılık Dağılım Sayısı**
- **Simetri Hesabı**
- **Olasılık Dağılımları**

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI BÜYÜK FARKLI DİZİLİMLİ DAĞILIMLAR

Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlar, bağımlı durumların kendi sayılarından az bağımlı olaylara yapılabilecek her bir dağılımının bir bağımsız olasılıklı dağılımıyla veya durum sayısından büyük olaylara dağılımıyla elde edilebilir. Aynı dağılımlar, durumlardan birinin bağımsız olaylara bağımsız olasılıklı seçimi ve kalan durumların, kendi sayılarından az bağımlı olaya bağımlı olasılıklı farklı dizilimli seçimiyle de elde edilebilir. Bu dağılımlardaki bağımlı olasılıklı durumlar her bir dağılımda yalnız bir defa bulunabilir. Bu dağılımlar farklı dizilimli dağılımla elde edilebileceğinden, simetrik olasılıklarla ters simetrik olasılıklar bir birine eşit olur. Toplam simetrik olasılık, simetrik ve ters simetrik olasılığın toplamına eşit olacağından, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda da toplam simetrik olasılık; simetrik ve ters simetrik olasılıkların toplamına eşit olur.

Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda, bağımsız olasılıklı dağılımlar içerisindeki özel dağılımlardır. Bu bölümde çıkarılacak eşitlikler özellikle yapay zeka ve genetik uygulamalarında yaygın kullanımı olabilir. Bu alt bölümün eşitlik ve tanımlamaları, önceki bölümlerde izlenen sıralamada verilecektir.

Bu bölümde, yapılacak her bir seçimde bir durumun belirlenebileceği ***bağımlı durum sayısı bağımlı olay sayısından büyük*** $(D > \boldsymbol{n}\ \boldsymbol{ve}\ "\boldsymbol{n}: bağımlı\ olay\ sayısı")$ seçimlerle elde edilebilecek, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlar incelenecektir. Bu dağılımlarda bulunabilecek simetrik durumlar, dağılımın başladığı durumlara göre ayrı ayrı incelenecektir. Bağımsız durumla başlayan dağılımlar, bağımsız durumdan/lardan sonraki ilk bağımlı durumuna (olasılık dağılımında soldan sağa ilk bağımlı durum) göre sınıflandırılacak ve aynı yöntemle simetri bağımsız durumla başladığında, simetrinin başladığı bağımlı durum belirlenecektir.

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Olasılık dağılımları; simetrinin başladığı bağımlı durumla başlayan dağılımlar, simetride bulunmayan bir bağımlı durumla başlayan dağılımlar ve simetride bulunmayan bağımlı durumlarla başlayan dağılımlar olarak sınıflandırılır. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda, bağımlı olasılıklı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlarda olduğu gibi simetride bulunan bağımlı durumlarla başlayan dağılımlardan sadece simetrinin ilk bağımlı durumuyla başlayan dağılımlarda simetrik durumlar bulunabilir.

Olasılık dağılımları ilk bağımlı durumuna göre sınıflandırılacağından, aynı bağımlı durumla başlayan olasılık dağılımları, iki farklı dağılım türünden oluşabilir. Bu dağılım türleri, bağımsız durumla başlayan dağılımlar ve bağımlı durumla başlayan dağılımlardır. Bağımsız durumla başlayan dağılımların ilk bağımlı durumu, simetrinin ilk bağımlı durumu olan dağılımlar, simetrinin ilk bağımlı durumuyla başlayan dağılımlar olarak alınır. Eğer bağımsız durumla başlayan dağılımların ilk bağımlı durumu, simetride bulunmayan aynı bir bağımlı durum olan dağılımlar, simetride bulunmayan bir bağımlı durumla başlayan dağılımlar olarak alınır. Yada bağımsız durumla başlayan dağılımların ilk bağımlı durumu, simetride bulunmayan bağımlı durumlar olan dağılımların tamamı, simetride bulunmayan bağımlı durumlarla başlayan dağılımlar olarak alınır. Bağımlı durumla başlayan dağılımlardan, ilk bağımlı durum, simetrinin ilk bağımlı durumu olan dağılımlar, simetrinin ilk bağımlı durumuyla başlayan dağılımlara dahil edilir. Eğer olasılık dağılımlarından, ilk bağımlı durumu, simetride bulunmayan aynı bağımlı durum olan dağılımlar, simetride bulunmayan bir bağımlı durumla başlayan dağılımlara dahil edilir. Eğer olasılık dağılımlarından, ilk bağımlı durumu, simetride bulunmayan bağımlı durumlar olan dağılımların tümü, simetride bulunmayan bağımlı durumlarla başlayan dağılımlara dahil edilir. Bu iki dağılım türü ilk bağımlı durumlarına göre aynı bağımlı durumlu dağılımları oluşturur. Bu bölümde de iki dağılım türü de aynı bağımlı durumla başlayan dağılımlar altında hem birlikte hem de ayrı ayrı incelenecektir.

Simetri, bağımlı ve/veya bağımsız durumlarının bulunabileceği sıralamaya göre sınıflandırılır. Simetri durumlarına göre; bağımlı durumla başlayıp bağımlı durumla biten (bağımlı-bağımlı veya sadece bağımlı durumlu), bağımsız durumla başlayıp bağımlı durumla biten (bağımsız-bağımlı), bir bağımlı durumla başlayıp bir bağımsız durumla biten (bir bağımlı-bir bağımsız), bağımlı durumla başlayıp bir bağımsız durumla biten (bağımlı-bir bağımsız), bir bağımlı durumla başlayıp bağımsız durumla biten (bir bağımlı-bağımsız), bağımlı durumla başlayıp bağımsız durumla biten (bağımlı-bağımsız) ve bağımsız durumla başlayıp bağımlı durumları bulunup bağımsız durumla biten (bağımsız-bağımlı-bağımsız veya bağımsız-bağımsız) yedi farklı simetri incelemesi ayrı ayrı yapılacaktır.

Simetri, durumlarının bulunduğu sıralamaya göre sınıflandırılarak, hem olasılık dağılımlarının başladığı durumlara göre hem de bunların bağımsız durumla başlayan dağılımları ve bağımlı durumla başlayan dağılımlarına göre; simetrik, düzgün simetrik ve düzgün olmayan simetrik olasılıklar olarak incelenecektir. Bu simetrik olasılıkların inceleneceği ciltlerde birlikte simetrik olasılık eşitlikleri de verilecektir.

GÜL DÜNYA

Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardaki, simetrik ve düzgün simetrik olasılık eşitlikleri hem olasılık dağılım tablo değerlerinden hem de teorik yöntemle çıkarılabilir. Bu bölümde bir önceki bölümün eşitliklerinin çıkarılmasında izlenen yöntemle yeni eşitlikler çıkarılabileceği gibi bir önceki bölümün eşitliklerinin uyum eşitlikleriyle çarpımı kullanılarak da eşitlikler teorik olarak çıkarılabilecektir. Böylece formül çıkarmada kullanılan yöntem genişletilecektir.

Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardaki, düzgün olmayan simetrik olasılıklar ise sadece teorik yöntemlerle çıkarılacaktır. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımların inceleneceği ciltlerde, bulunmama olasılıklarının eşitlikleri için sadece çıkarılabileceği eşitlikler verilecektir.

SİMETRİDE BULUNMAYAN BAĞIMLI DURUMLARLA BAŞLAYAN DAĞILIMLARIN DÜZGÜN OLMAYAN SİMETRİK OLASILIĞI

Simetrik olasılık; düzgün simetrik durumların bulunduğu dağılımlar ile düzgün olmayan simetrik durumların bulunduğu dağılımların toplamı veya düzgün simetrik olasılık ile düzgün olmayan simetrik olasılıkların toplamıdır. Düzgün simetrik olasılık, olasılık dağılımlarında simetrinin durumları arasında farklı bir durum bulunmayan ve aynı sayıda bağımsız durum bulunan dağılımların sayısına veya simetrinin durumlarının aynı sıralama sayısında bulunabildiği dağılımların sayısına düzgün simetrik olasılık denir. Simetri, bağımlı ve bağımsız durumlardan oluşabileceğinden, hem simetri hem de düzgün simetrilerin bulunduğu dağılımlarda bağımsız durumun dağılımdaki sırası yerine, simetrideki sayısı dikkate alınır. Olasılık dağılımında simetrinin durumları arasında, simetride bulunmayan bir durumun bulunduğu dağılımlara veya simetrinin durumlarının aynı sıralama sayısında bulunamadığı dağılımlar, düzgün olmayan simetrinin bulunduğu dağılımlardır. Bu dağılımların sayısına düzgün olmayan simetrik olasılık denir.

Bu ciltlerde düzgün olmayan simetrik olasılığın eşitlikleri teorik yöntemle çıkarılacaktır. Düzgün olmayan simetrik olasılık eşitlikleri, aynı şartlı simetrik olasılıktan, aynı şartı düzgün simetrik olasılığın farkından teorik yöntemle elde edilebilir. Bu nedenle kalan düzgün olmayan simetrik olasılık eşitlikleri de aynı şartlı kalan simetrik olasılıktan, aynı şartlı kalan düzgün simetrik olasılığın farkından teorik yöntemle elde edilebilir.

Bağımsız olasılıklı durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki düzgün olmayan simetrik olasılığın sabit değişkenli işlem uzunluklu eşitliği, aynı şartlı kalan düzgün olmayan simetrik olasılığın sabit değişkenli işlem uzunluklu eşitliğinde n_i üzerinden toplam alımında n yerine $n-1$ yazılmasıyla da teorik yöntemle elde edilebilecektir.

Bağımlı olasılıklı durumla başlayan dağılımlardan simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki düzgün olmayan simetrik olasılığın eşitliği, aynı şartlı

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kalan düzgün olmayan simetrik olasılık eşitliğinden, aynı şartlı bağımsız durumlarla başlayan dağılımların kalan düzgün olmayan simetrik olasılık eşitliğinin farkından teorik yöntemle elde edilebileceği gibi aynı şartlı kalan düzgün olmayan simetrik olasılığın sabit değişkenli işlem uzunluklu eşitliğinde n_i üzerinden toplam alımında n_i yerine toplam alınmadan n yazılmasıyla da teorik yöntemle elde edilebilecektir.

Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımların düzgün olmayan simetrik olasılık eşitliklerinin tamamı aynı şartlı bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımların kalan düzgün olmayan simetrik olasılık eşitliklerinden de elde edilebilir.

Bu ciltte bir bağımlı-bir bağımsız ve bağımlı-bir bağımsız durumlu simetrilerin, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, kalan düzgün olmayan simetrik ve kalan düzgün olmayan simetrik bulunmama olasılıklarının eşitlikleri verilecektir.

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BAĞIMLI DURUMLA BAŞLAYAN DAĞILIMLARDA BİR BAĞIMLI-BİR BAĞIMSIZ DURUMLU KALAN DÜZGÜN OLMAYAN SİMETRİ

Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde $\{1, 0\}$, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik olasılıklar; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan simetrik olasılıktan, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün simetrik olasılığın farkına eşit olur. Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısı için,

$${}^{0}S_{D}^{DOS} = {}^{0}S_{D}^{DS} - {}^{0}S_{D}^{DSS}$$

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda, simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde; simetride bulunmayan bağımlı durumlarla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık*** denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılığı ${}^{0}S_{D}^{DOS}$ ile gösterilecektir.

$D \geq \boldsymbol{n} < n \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = 2 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_{D}^{DOS} = & \frac{(D-1)!}{(D-\boldsymbol{n})!} \cdot \frac{n!}{(\imath-1)!} \cdot \left(\sum_{i=2}^{\boldsymbol{n}} \mp \frac{1}{i! \cdot (\boldsymbol{n}-i)! \cdot (i+\imath)} \right) - \\
& \frac{(D-1)!}{(D-\boldsymbol{n})!} \cdot \frac{(n-1)!}{(\imath-2)!} \cdot \left(\sum_{i=2}^{\boldsymbol{n}} \mp \frac{1}{i! \cdot (\boldsymbol{n}-i)! \cdot (i+\imath-1)} \right) - \\
& \frac{(D-1)!}{(D-\boldsymbol{n})!} \cdot \frac{(D-1)}{(\boldsymbol{n}-1)!} \cdot \frac{(n-2)!}{(\imath-1)!}
\end{aligned}
$$

$D \geq \boldsymbol{n} < n \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = 2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-1)!}{(D-\boldsymbol{n})!} \cdot \frac{n!}{(\imath-1)!} \cdot \left(\sum_{i=2}^{\boldsymbol{n}} \mp \frac{1}{i! \cdot (\boldsymbol{n}-i)! \cdot (i+\imath)} \right) -
$$

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$$\frac{(D-1)!}{(D-\boldsymbol{n})!}\cdot\frac{(n-1)!}{(\iota-2)!}\cdot\left(\sum_{i=2}^{n-\iota}\mp\frac{1}{i!\cdot(n-\iota-i)!\cdot(i+\iota-1)}\right)-$$

$$\frac{(D-1)!}{(D-\boldsymbol{n})!}\cdot\frac{(D-1)}{(\boldsymbol{n}-1)!}\cdot\frac{(n-2)!}{(\iota-1)!}$$

$D\geq\boldsymbol{n}<n\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=2\Rightarrow$

$${}^{0}S_{D}^{DOS}=\frac{(D-1)!}{(D-\boldsymbol{n})!}\cdot\sum_{j=2}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=\boldsymbol{n}-j+2}^{n-j+1}$$

$$\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot\frac{(n_s-2)!}{(n_s+j-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j-1)!}$$

$D\geq\boldsymbol{n}<n\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=2\Rightarrow$

$${}^{0}S_{D}^{DOS}=\frac{(D-1)!}{(D-\boldsymbol{n})!}\cdot\sum_{j=2}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=\boldsymbol{n}-j+2}^{n-j+1}\sum_{(i=2)}^{(\boldsymbol{n}-j+1)}$$

$$\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot\frac{(n_s-i-1)!}{(n_s+j-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j-i+1)!}$$

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BAĞIMLI DURUMLA BAŞLAYAN DAĞILIMLARDA BAĞIMLI-BİR BAĞIMSIZ DURUMLU KALAN DÜZGÜN OLMAYAN SİMETRİ

Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde $\{1, 2, 3, 4, 5, \mathbf{0}\}$ veya $\{1, 2, \mathbf{0}, \mathbf{0}, \mathbf{0}, 3, 4, \mathbf{0}, \mathbf{0}, 5, \mathbf{0}\}$, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik olasılıklar; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan simetrik olasılıktan, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün simetrik olasılığın farkına eşit olur. Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısı için,

$${}^{0}S_{D}^{DOS} = {}^{0}S_{D}^{DS} - {}^{0}S_{D}^{DSS}$$

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda, simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde; simetride bulunmayan bağımlı durumlarla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık*** denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılık ${}^{0}S_{D}^{DOS}$ ile gösterilecektir.

$$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee I = \mathbb{k} + 1 \wedge \mathbb{k} > 0 \wedge$$

$$\boldsymbol{s} = s + \mathbb{k} + 1 \Rightarrow$$

$${}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \frac{n!}{(\imath - I)!} \cdot \left(\sum_{i=s+1}^{\boldsymbol{n}} \mp \frac{(i + \imath - I)!}{i! \cdot (i + \imath)! \cdot (\boldsymbol{n} - i)!} \right) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \frac{(n-1)!}{(\imath - I - 1)!} \cdot \left(\sum_{i=s+1}^{\boldsymbol{n}} \mp \frac{(i + \imath - I - 1)!}{i! \cdot (i + \imath - 1)! \cdot (\boldsymbol{n} - i)!} \right) -$$

$$\frac{(D + I - \boldsymbol{s})!}{(D + \imath - n)!} \cdot \frac{(D + I - \boldsymbol{s})}{(n + I - \imath - \boldsymbol{s})!} \cdot \frac{(n - \boldsymbol{s})!}{(\imath - I)!}$$

$$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee I = \mathbb{k} + 1 \wedge \mathbb{k} > 0 \wedge$$

$$\boldsymbol{s} = s + \mathbb{k} + 1 \Rightarrow$$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\frac{n!}{(\iota-I)!}\cdot\left(\sum_{i=s+1}^{n-\iota}\mp\frac{(i+\iota-I)!}{i!\cdot(i+\iota)!\cdot(n-\iota-i)!}\right)-
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\frac{(n-1)!}{(\iota-I-1)!}\cdot\left(\sum_{i=s+1}^{n-\iota}\mp\frac{(i+\iota-I-1)!}{i!\cdot(i+\iota-1)!\cdot(n-\iota-i)!}\right)-
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\frac{(D-s)}{(\boldsymbol{n}-s)!}\cdot\frac{(n-s-I)!}{(\iota-I)!}
$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j=s+1}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=\boldsymbol{n}-j+2}^{n-j}
$$

$$
\frac{(j-2)!}{(j-s-1)!\cdot(s-1)!}\cdot\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot\frac{(n_s-1)!}{(n_s+j-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j)!}+
$$

$$
\sum_{j=s+2}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j+1}
$$

$$
\frac{(j-2)!}{(j-s-1)!\cdot(s-1)!}\cdot\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot\frac{(n_s-1)!}{(n_s+j-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j)!}+
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{(j=s+1)}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j+1}
$$

$$
\frac{(n_s-2)!}{(n_s+j-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j-1)!}
$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_i=s+1}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n-j_i}
$$

$$
\frac{(j_i-2)!}{(j_i-s-1)!\cdot(s-1)!}\cdot
$$

$$
\frac{(n-n_s-1)!}{(j_i-2)!\cdot(n-n_s-j_i+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{j_i=s+2}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j_i+1}
$$

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$$\frac{(j_i-2)!}{(j_i-s-1)!\cdot(s-1)!}\cdot$$

$$\frac{(n-n_s-1)!}{(j_i-2)!\cdot(n-n_s-j_i+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{(j_i=s+1)}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j_i+1}$$

$$\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{j_i-s+1}\sum_{(j_i=s+1)}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n-j_i}$$

$$\frac{(j_i-2)!}{(j_i-s-1)!\cdot(s-1)!}\cdot$$

$$\frac{(n-n_s-1)!}{(j_i-2)!\cdot(n-n_s-j_i+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{j_i-s}\sum_{(j_i=s+2)}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j_i+1}$$

$$\frac{(j_i-2)!}{(j_i-s-1)!\cdot(s-1)!}\cdot$$

$$\frac{(n-n_s-1)!}{(j_i-2)!\cdot(n-n_s-j_i+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=j_i-s+1}\sum_{(j_i=s+1)}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j_i+1}$$

$$\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge \mathbb{k} = 0 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j=s+1}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=\boldsymbol{n}-j+2}^{n-j}\sum_{i=2}^{\boldsymbol{n}-j+1}$$

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$$\frac{(j-2)!}{(j-s-1)!\cdot(s-1)!}\cdot\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j)!}+\frac{(n_s-i-1)!}{(n_s+j-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j-i+1)!}\right)+$$

$$\sum_{j=s+2}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j+1}\sum_{i=2}^{\boldsymbol{n}-j+1}$$

$$\frac{(j-2)!}{(j-s-1)!\cdot(s-1)!}\cdot\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j)!}+\frac{(n_s-i-1)!}{(n_s+j-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j=s+1}^{\boldsymbol{n}}\sum_{(n_i=n)}\sum_{n_s=n-j+1}\sum_{i=2}^{\boldsymbol{n}-j+1}$$

$$\frac{(n_s-i-1)!}{(n_s+j-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j-i+1)!}$$

$$D\geq\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{\left(j^{sa}+j_{sa}^{ik}-j_{sa}-2\right)!}{\left(j^{sa}-j_{sa}-1\right)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}-1\right)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j^{sa}=j_s+j_{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(n_{sa}+j^{sa}-s-3)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(j^{sa}-3)!}{(j^{sa}-j_{sa}-1)!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j_{sa})}^{(j^{sa}-2)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa})!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(n_{sa}+j^{sa}-s-3)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{sa} = s \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot$$

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$$\sum_{j^{sa}=s+1}^{\boldsymbol{n}} \sum_{\left(j_{ik}=j^{sa}+j_{sa}^{ik}-s\right)} \sum_{(n_i=n)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1} \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{\left(j^{sa}+j_{sa}^{ik}-s-2\right)!}{(j^{sa}-s-1)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_s-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)+$$

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

$$\sum_{j^{sa}=s+2}^{\boldsymbol{n}} \sum_{\left(j_{ik}=j_{sa}^{ik}+1\right)}^{\left(j^{sa}+j_{sa}^{ik}-s-1\right)} \sum_{n_i=n} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}-1\right)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot\frac{\left(j^{sa}-j_{ik}-1\right)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j^{sa}=j_s+s-1)} \sum_{(n_i=n)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1} \sum_{(i=)}^{(\ )}$$

$$\frac{(n_s+j^{sa}-s-3)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$D\geq\boldsymbol{n}<n\wedge s>1\wedge l=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge j_{sa}=s\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot$$

$$\sum_{j^{sa}=s+1}^{\boldsymbol{n}} \sum_{(j_{ik}=j^{sa}-1)} \sum_{(n_i=n)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1} \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

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$$\frac{(j^{sa}-3)!}{(j^{sa}-s-1)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_s-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)+$$

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

$$\sum_{j^{sa}=s+2}^{\boldsymbol{n}}\sum_{(j_{ik}=s)}^{(j^{sa}-2)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=s+1}^{\boldsymbol{n}}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}\sum_{(i=)}^{(\ )}$$

$$\frac{(n_s+j^{sa}-s-3)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$$

$${}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(j^{sa}-3)!}{(j^{sa}-j_{sa}-1)!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik}-1)!\cdot(j_{sa}^{ik}-1)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j^{sa}=j_s+j_{sa}-1)}\sum_{(n_i=n)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}\frac{(n_{sa}+j^{sa}-s-3)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$$D\geq\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(n_i=n)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(j^{sa}-3)!}{(j^{sa}-j_{sa}-1)!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j_{sa})}^{(j^{sa}-2)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa})!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

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$$\frac{(n_{sa}+j^{sa}-s-3)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{sa} = s \Rightarrow$

$$ {}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j^{sa}=s+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1} \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j^{sa}-3)!}{(j^{sa}-s-1)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_s-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)+$$

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

$$\sum_{j^{sa}=s+2}^{\boldsymbol{n}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-s-1)} \sum_{n_i=\boldsymbol{n}\,(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik}-1)!\cdot(j_{sa}^{ik}-1)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j^{sa}=j_s+s-1)}^{(\ )} \sum_{(n_i=n)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1} \sum_{(i=)}^{(\ )}$$

$$\frac{(n_s+j^{sa}-s-3)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge j_{sa} = s \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$$ {}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j^{sa}=s+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1} \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

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$$\frac{(j^{sa}-3)!}{(j^{sa}-s-1)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_s-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)+$$

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

$$\sum_{j^{sa}=s+2}^{\boldsymbol{n}}\sum_{(j_{ik}=s)}^{(j^{sa}-2)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=s+1}^{\boldsymbol{n}}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}\sum_{(i=)}^{(\ )}$$

$$\frac{(n_s+j^{sa}-s-3)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$$D\geq\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot$$

$$\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{\left(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}\right)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(j^{sa}+j_{sa}^{ik}-j_{sa}-2\right)!}{(j^{sa}-j_{sa}-1)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

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

$$\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{n}+j_{sa}-s}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)}\ \sum_{n_i=n}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik}-1)!\cdot(j_{sa}^{ik}-1)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j^{sa}=j_s+j_{sa}-1)}^{(\ )}\ \sum_{(n_i=n)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(n_{sa}+j^{sa}-s-3)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\ \sum_{(j_{ik}=j^{sa}-1)}\ \sum_{n_i=n}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j^{sa}-3)!}{(j^{sa}-j_{sa}-1)!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{n}+j_{sa}-s}\ \sum_{(j_{ik}=j_{sa})}^{(j^{sa}-2)}\ \sum_{n_i=n}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa})!\cdot(j_{sa}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}$$

$$\frac{(n_{sa}+j^{sa}-s-3)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$$D\geq\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{sa}=s\Rightarrow$$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot$$

$$\sum_{j^{sa}=s+1}^{\boldsymbol{n}}\sum_{\left(j_{ik}=j^{sa}+j_{sa}^{ik}-s\right)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{\left(j^{sa}+j_{sa}^{ik}-s-2\right)!}{(j^{sa}-s-1)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)+$$

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

$$\sum_{j^{sa}=s+2}^{\boldsymbol{n}}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-s-1)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}-1\right)!\cdot\left(j_{sa}^{ik}-1\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa})!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j^{sa}=j_s+s-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}\sum_{(i=)}^{(\ )}$$

$$\frac{(n_s+j^{sa}-s-3)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge j_{sa} = s \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot$$

$$\sum_{j^{sa}=s+1}^{\boldsymbol{n}}\sum_{(j_{ik}=j^{sa}-1)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j^{sa}-3)!}{(j^{sa}-s-1)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)+$$

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

$$\sum_{j^{sa}=s+2}^{\boldsymbol{n}}\sum_{(j_{ik}=s)}^{(j^{sa}-2)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s)!\cdot(s-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j^{sa})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa})!}+\frac{(n_s-i-1)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j^{sa}-i+1)!}\right)-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j^{sa}=s+1}^{\boldsymbol{n}}\sum_{(j_{ik}=j^{sa}-1)}\sum_{(n_i=n)}^{(\ )}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_i-j^{sa}-\mathbb{k}+1}\sum_{(i=)}^{(\ )}\frac{(n_s+j^{sa}-s-3)!}{(n_s+j^{sa}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-s-1)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-I-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-2\cdot j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!} \cdot \frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s\right)!}
$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{\left(n_i+j_{ik}+j_{sa}-j^{sa}-s-I-j_{sa}^{ik}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}-j^{sa}-s-j_{sa}^{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$$
\begin{aligned}
{}^{0}S_D^{DOS} = {} & \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!}\cdot \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \\
& \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+ \\
& \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \\
& \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot \\
& \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \\
& \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-
\end{aligned}
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s - 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j_{ik} - 1)!}{(\boldsymbol{n} + j_{sa} - j_{ik} - s - 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s+j_{sa}-j_{ik}-s-I-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j_{ik}-s-j_{sa}^{s}-1)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i + 2 \cdot j_s + j_{sa} + j_{sa}^{ik} - 2 \cdot j^{sa} - s - I - 2 \cdot j_{sa}^{s} + 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + 2 \cdot j_s + j_{sa} + j_{sa}^{ik} - 2 \cdot j^{sa} - s - 2 \cdot j_{sa}^{s} + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j_{ik} - 1)!}{(\boldsymbol{n} + j_{sa} - j_{ik} - s - 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}-s-I+1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}-s+1)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2\cdot j_{sa}-s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2\cdot j_{sa}-s+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-1\right)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{\left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)! \cdot \left(j_{sa}^{ik} - 2\right)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i + j_{sa} - s - I - j_{sa}^{ik} - 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_{sa} - s - j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+j_{sa}^{ik}-j_{sa}-s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-j_{sa}-s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$$

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$$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$$

$$
\begin{aligned}
{}^{0}S_{D}^{DOS} = {} & \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1} \\
& \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1} \\
& \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)! \cdot (s-j_{sa})!} \cdot \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot \\
& \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + \\
& \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \\
& \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot \\
& \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} - \\
& \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1} \\
& \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
\end{aligned}
$$

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$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j_{ik}-s-\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j^{sa}-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j^{sa}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j^{sa}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j^{sa}+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j^{sa}-s-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j^{sa}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!}{\left(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s\right)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}+j^{sa}-j_s-s-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^{s} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa} - s - j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} + j_{sa}^{ik} - j_{ik} - j_{sa})!}{(\boldsymbol{n} + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_{sa}-j_s-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+j_{ik}-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}+j_{ik}-j_s-s)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^{s}-1)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-s-j_{ik}-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(2 \cdot n_{is}+j_s-n_{sa}-j_{ik}-s-2 \cdot \mathbb{k}-2)!}{(2 \cdot n_{is}+2 \cdot j_s-n_{sa}-j_{ik}-\boldsymbol{n}-2 \cdot \mathbb{k}-j_{sa}^{s}-2)! \cdot (\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}
$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
$$

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$$\frac{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_{sa} - 2 \cdot j^{sa} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 3 \cdot j_s - n_{ik} - n_{sa} - 2 \cdot j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-s-2\cdot\mathbb{k}-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_{sa}-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}-n_{sa}-s-2\cdot\mathbb{k}-2)!}{(n_{is}+n_{ik}+j_s-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

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$\mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

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$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s - 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

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$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-I-2\cdot j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-2\cdot j_{sa}^{s})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-2\cdot j_{sa}^{s})!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge \boldsymbol{s} > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\left.\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \frac{(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + 2 \cdot j^{sa} + j_{sa}^{s} + j_{sa}^{ik} - j_s - j_{ik} - 2 \cdot j_{sa} - s - \mathbb{k}_1 - \mathbb{k}_2 - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + 2 \cdot j^{sa} + j_{sa}^{s} + j_{sa}^{ik} - j_s - j_{ik} - 2 \cdot j_{sa} - s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

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$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\left.\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\right)$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + 2 \cdot j_{ik} + j_{sa}^{s} + j_{sa} - j_s - j^{sa} - 2 \cdot j_{sa}^{ik} - s - I\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + 2 \cdot j_{ik} + j_{sa}^{s} + j_{sa} - j_s - j^{sa} - 2 \cdot j_{sa}^{ik} - s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}-j^{sa}-s-I-j_{sa}^{ik}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}-j^{sa}-s-j_{sa}^{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\left.\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}-j^{sa}-s-j_{sa}^{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\right)$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa} - s - \mathbb{k}_1 - \mathbb{k}_2 - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa} - s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\left(\frac{(n_i - s - \mathbb{k}_1 - \mathbb{k}_2 - 1)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} - s)!}\right)_{j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i - s - \mathbb{k}_1 - \mathbb{k}_2 - 1)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} - s - 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s+j_{sa}-j_{ik}-s-I-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j_{ik}-s-j_{sa}^{s}-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s+j_{sa}-j_{ik}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j_{ik}-s-j_{sa}^{s}-1)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-2\cdot j^{sa}-s-I-2\cdot j_{sa}^{s}+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-2\cdot j^{sa}-s-2\cdot j_{sa}^{s}+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + 2 \cdot j_s + j_{sa} + j_{sa}^{ik} - 2 \cdot j^{sa} - s - \mathbb{k}_1 - \mathbb{k}_2 - 2 \cdot j_{sa}^{s}\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + 2 \cdot j_s + j_{sa} + j_{sa}^{ik} - 2 \cdot j^{sa} - s - 2 \cdot j_{sa}^{s} + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}-s-I+1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}-s+1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - j_{sa} - s - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - j_{sa} - s + 1)!}$$

$$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$$

$$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$$

$$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$$

$$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2\cdot j_{sa}-s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2\cdot j_{sa}-s+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + j^{sa} + j_{sa}^{s} + j_{sa}^{ik} - j_s - 2 \cdot j_{sa} - s - \mathbb{k}_1 - \mathbb{k}_2\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j^{sa} + j_{sa}^{s} + j_{sa}^{ik} - j_s - 2 \cdot j_{sa} - s + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j^{sa}-s-I-j_{sa}^{s}+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j^{sa}-s-j_{sa}^{s}+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j^{sa}-s-j_{sa}^{s}+1\right)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + j^{sa} + j_{sa}^{s} - j_s - j_{sa}^{ik} - s - \mathbb{k}_1 - \mathbb{k}_2 - 2\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j^{sa} + j_{sa}^{s} - j_s - j_{sa}^{ik} - s - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}-s-I-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{sa}-s-j_{sa}^{ik}-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_{sa} - s - \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{ik} - 2\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_{sa} - s - j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-j_{sa}-s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-j_{sa}-s+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-j_{sa}-s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-j_{sa}-s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\right.$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}_2-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(n+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{ik} + j_{ik} + \mathbb{k}_1 - j_s - s - \mathbb{k} - 1)!}{(n_{ik} + j_{ik} + \mathbb{k}_1 - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\left. \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \right)$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{ik} + j_{sa}^{ik} + \mathbb{k}_1 - s - \mathbb{k} - j_{sa}^{s} - 1)!}{(n_{ik} + j_{ik} + \mathbb{k}_1 - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{ik} - s - j_{ik})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(2 \cdot n_{is} + j_s - n_{ik} - j_{ik} - s - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s+\mathbb{k}_2-n_{ik}-j_{ik}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s+\mathbb{k}_2-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j^{sa}-j_s-s-\mathbb{k}_2-2)!}{(n_{ik}+j^{sa}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\right.$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j^{sa}+\mathbb{k}_1-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j^{sa}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k}_2 - j_{sa}^{s} - 1)!}{(n_{ik} + j^{sa} - \boldsymbol{n} - \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} + j_{sa}^{ik} - s - j^{sa} + 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j^{sa}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j^{sa}+1\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j^{sa}-s-2\cdot\mathbb{k}_1-\mathbb{k}_2)!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s + \mathbb{k}_2 - n_{ik} - j^{sa} - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s + \mathbb{k}_2 - n_{ik} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\left. \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \right)$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}+j^{sa}-j_s-s-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^{s} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa} - s - j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(2 \cdot n_{is} + j_s - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-s-2\cdot \mathbb{k}-\mathbb{k}_1-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-2\cdot \mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k}=0 \wedge I=1 \wedge \boldsymbol{s}=s+1 \vee$

$I=\mathbb{k}+1 \wedge s>1 \wedge \mathbb{k}>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\mathbb{k}+1 \wedge \mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \vee$

$I=\mathbb{k}+1 \wedge s>1 \wedge \mathbb{k}_2>0 \wedge \mathbb{k}_1=0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z: z=1 \wedge \mathbb{k}=\mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot
$$

$$
\left.\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot\right.
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_{sa}-j_s-j^{sa}-s-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{ik} + 2 \cdot j_{ik} + 2 \cdot \mathbb{k}_1 - n_{sa} - j_s - j^{sa} - s - 2 \cdot \mathbb{k} - 1)!}{(2 \cdot n_{ik} + 2 \cdot j_{ik} + 2 \cdot \mathbb{k}_1 - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}+n_{ik}+j_{ik}-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot
$$

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

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+j_{ik}+\mathbb{k}_1-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}+\mathbb{k}_1-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}+j_{ik}-j_s-s)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\right.$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^{s}-1)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-s-j_{ik}-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

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$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s - n_{sa} - j_{ik} - s - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 2)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{sa} - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}^{}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{sa}-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{is}+2\cdot j_s-n_{sa}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge\boldsymbol{s}>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_{sa} - 2 \cdot j_{ik} - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 2)!}{(3 \cdot n_{is} + 3 \cdot j_s - n_{ik} - n_{sa} - 2 \cdot j_{ik} - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_s - j_{sa} + 1)!}{(\boldsymbol{n} - j_s - s + 1)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-s-2\cdot\mathbb{k}-\mathbb{k}_1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

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$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\right.$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_{sa}-j_s-s-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_{ik}+j_{ik}-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_{sa}-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}-n_{sa}-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-2)!}{(n_{is}+n_{ik}+j_s-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_s-j_{sa}+1)!}{(\boldsymbol{n}-j_s-s+1)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+\mathbb{k}_1-n_{sa}-s-2\cdot\mathbb{k}-2)!}{(n_{is}+n_{ik}+j_s+\mathbb{k}_1-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge\boldsymbol{s}>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_s-j_i-I-j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\Rightarrow$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-I-2\cdot j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)! \cdot \left(s-j_{sa}^{ik}-1\right)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i+j_{ik}-j_i-I-j_{sa}^{ik}\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}
$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)! \cdot \left(s-j_{sa}^{ik}-1\right)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2 \cdot s-I\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2 \cdot s\right)!}
$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

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{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \right)_{j_i}
$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

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$$
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$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s-1)!}
$$

GÜL DÜNYA

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

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{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

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\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

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\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
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$$

$$
\frac{(n_i+j_s-j_{ik}-I-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}
$$

GÜL DÜNYA

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$$

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\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

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\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
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$$

$$
\frac{\left(n_i+2 \cdot j_s+j_{sa}^{ik}-2 \cdot j_i-I-2 \cdot j_{sa}^{s}+1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+2 \cdot j_s+j_{sa}^{ik}-2 \cdot j_i-2 \cdot j_{sa}^{s}+1\right)!}
$$

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$$

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\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

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\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

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\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2 \cdot s-I+1)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2 \cdot s+1)!}
$$

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\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
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\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3 \cdot s-I+1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3 \cdot s+1\right)!}
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GÜL DÜNYA

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\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
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\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
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\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
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\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}
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\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
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\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
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\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}
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$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2 \cdot j_{sa}^{ik}-I-1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2 \cdot j_{sa}^{ik}-1\right)!}
$$

GÜL DÜNYA

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i-I-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}
$$

GÜL DÜNYA

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i+j_{sa}^{ik}-2 \cdot s-I+1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_{sa}^{ik}-2 \cdot s+1\right)!}
$$

GÜL DÜNYA

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
$$

GÜL DÜNYA

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_{D}^{DOS} = {} & \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}\\
& \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\\
& \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot\\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot\\
& \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+\\
& \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\\
& \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\\
& \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot\\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot\\
& \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-\\
& \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}\\
& \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
\end{aligned}
$$

GÜL DÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - s - \mathbb{k} - 1)!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k})!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

GÜL DÜNYA

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s - n_{ik} - j_{ik} - s - \mathbb{k} - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_{ik} - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge \boldsymbol{s} > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j_i-s-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s-1-j_{sa}^{s})!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

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$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(2 \cdot n_{ik}+2 \cdot j_{ik}-n_s-j_s-j_i-s-2 \cdot \mathbb{k}-1)!}{(2 \cdot n_{ik}+2 \cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2 \cdot \mathbb{k}-j_{sa}^{s}-1)! \cdot (\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}
$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
$$

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$$\frac{(n_{is}+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = {} & \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \\
& \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+ \\
& \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \\
& \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}- \\
& \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
\end{aligned}
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_s + j_{ik} - j_s - s)!}{(n_s + j_{ik} - \boldsymbol{n} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-j_{ik}-1)!}$$

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$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\mathbb{k})!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

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$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1} \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}+n_{ik}-n_s-s-2\cdot\mathbb{k}-2)!}{(n_{is}+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}} \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

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$$\frac{(n_i + j_s - j_i - I - j_{sa}^{s})!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} + j_s - j_i - j_{sa}^{s})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) -$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-I-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

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$$\frac{\left(n_i + 2 \cdot j_{ik} + j_{sa}^{s} - j_s - j_i - 2 \cdot j_{sa}^{ik} - I\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + 2 \cdot j_{ik} + j_{sa}^{s} - j_s - j_i - 2 \cdot j_{sa}^{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)! \cdot \left(s-j_{sa}^{ik}-1\right)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_{ik}-j_i-I-j_{sa}^{ik}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s - I\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j_i-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_s-j_{ik}-I-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-I-2\cdot j_{sa}^{s}+1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-I+1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)! \cdot \left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}
$$

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$$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$$

$$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

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$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - I - 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}} \frac{\left(n_i - I - j_{sa}^{ik} - 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} - j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) -$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j_{ik}-s-\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j_i-s-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k})!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_s + j_i - j_s - s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_s - 1 - j_{sa}^{s})!}{(n_s + j_i - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k})!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$$

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$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
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$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) -
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_s + j_{ik} - j_s - s)!}{(n_s + j_{ik} - \boldsymbol{n} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

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$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot$$

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$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) -$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik})}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_{is}+j_s-j_{ik})}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\mathbb{k})!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$$\frac{(n_{is}+n_{ik}-n_s-s-2\cdot\mathbb{k}-2)!}{(n_{is}+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!}\right)_{j_i}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\left. \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \right.$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_i-I-j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}^{}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-I-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\right.$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i + j_i + j_{sa}^{s} - j_s - 2 \cdot s - \mathbb{k}_1 - \mathbb{k}_2 - 1)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} + j_i + j_{sa}^{s} - j_s - 2 \cdot s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot \\
\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} + \\
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right. \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \\
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \\
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} + \\
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
\end{aligned}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge \boldsymbol{s} > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Big)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1} \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \right.$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j^{sa}-2\cdot j_{sa}^{ik}\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}-j_i-I-j_{sa}^{ik})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{\left(n_i + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s - \mathbb{k}_1 - \mathbb{k}_2 - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot \\
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} + \\
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right. \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \\
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \\
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} + \\
\left. \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}} \right.
\end{aligned}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge \boldsymbol{s} > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s - 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\Bbbk_1+\Bbbk_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\Bbbk_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\Bbbk_1+\Bbbk_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk_1-\Bbbk_2-1)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}-s-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z{:}\,z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_{ik}-I-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Big)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_{ik}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{\left(n_i + 2 \cdot j_s + j_{sa}^{ik} - 2 \cdot j_i - I - 2 \cdot j_{sa}^{s} + 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + 2 \cdot j_s + j_{sa}^{ik} - 2 \cdot j_i - 2 \cdot j_{sa}^{s} + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-I+1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - 2 \cdot s - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - 2 \cdot s + 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^0S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Big)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_i-s-I-j_{sa}^{s}+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_i-s-j_{sa}^{s}+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{\left(n_i + j_s + j_{sa}^{ik} - j_i - s - \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{s}\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_s + j_{sa}^{ik} - j_i - s - j_{sa}^{s} + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot \\
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} + \\
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right. \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \\
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \\
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} + \\
\left. \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}} \right.
\end{aligned}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - I - 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i-I-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Big)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{\left(n_i + j_{sa}^{ik} - 2 \cdot s - I + 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_{sa}^{ik} - 2 \cdot s + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}_2-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}+\mathbb{k}_1-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s - n_{ik} - j_{ik} - s - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s+\mathbb{k}_2-n_{ik}-j_{ik}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s+\mathbb{k}_2-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}_2-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_i+\mathbb{k}_1-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j_i+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Big)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j_i-s-2\cdot\mathbb{k}_1-\mathbb{k}_2)!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s+\mathbb{k}_2-n_{ik}-j_i-s-2\cdot\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+\mathbb{k}_2-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_s - j_{sa}^{s} - 1)!}{(n_s + j_i - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_i-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge\boldsymbol{s}>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_s-j_i-s-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\Bigg(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+j_{ik}+\mathbb{k}_1-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}+\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s+j_{ik}-j_s-s)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^s)!\cdot(\boldsymbol{n}+j_{sa}^s-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^0S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_s - j_{sa}^s - 1)!}{(n_s + j_{ik} - \boldsymbol{n} - j_{sa}^s)! \cdot (\boldsymbol{n} - j_{ik} - 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - 2 \cdot j_{ik} - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 2)!}{(3 \cdot n_{is} + 3 \cdot j_s - n_{ik} - n_s - 2 \cdot j_{ik} - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^s - 2)! \cdot (\boldsymbol{n} + j_{sa}^s - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

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$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{ik} + j_{ik} + 2 \cdot \mathbb{k}_1 - n_s - j_s - s - 2 \cdot \mathbb{k} - 2)!}{(2 \cdot n_{ik} + j_{ik} + 2 \cdot \mathbb{k}_1 - n_s - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}-n_s-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-2)!}{(n_{is}+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+\mathbb{k}_1-n_s-s-2\cdot\mathbb{k}-2)!}{(n_{is}+n_{ik}+j_s+\mathbb{k}_1-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^0S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^0S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_i-I-j_{sa}^{s})!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-I-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(n_i+j_i+j_{sa}^s-j_s-2\cdot s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_i+j_{sa}^s-j_s-2\cdot s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^0S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-I-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_s + j_{sa}^{ik} - j_{ik} - s - \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{s} - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_s + j_{sa}^{ik} - j_{ik} - s - j_{sa}^{s}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\left. \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \right.$$

$$\frac{(j_{ik} - j_s - 1)!}{\left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)! \cdot \left(j_{sa}^{ik} - 2\right)!} \cdot \frac{(j_i - j_{ik} - 1)!}{\left(j_i + j_{sa}^{ik} - j_{ik} - s\right)! \cdot \left(s - j_{sa}^{ik} - 1\right)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j^{sa}-2\cdot j_{sa}^{ik}\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{\left(n_i+j_{ik}-j_i-I-j_{sa}^{ik}\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\right.$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s-I\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^0S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s\right)!}$$

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$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\right.$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i + j_s - j_{ik} - I - j_{sa}^s - 1)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} + j_s - j_{ik} - j_{sa}^s - 1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_{ik}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\right.$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-I-2\cdot j_{sa}^{s}+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-I+1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-\mathbb{k}_1-\mathbb{k}_2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{\left(n_i + j_i + j_{sa}^{s} + j_{sa}^{ik} - j_s - 3 \cdot s - I + 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_i + j_{sa}^{s} + j_{sa}^{ik} - j_s - 3 \cdot s + 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left. \left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) \right) -$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_i-s-I-j_{sa}^{s}+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_i-s-j_{sa}^{s}+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\left.\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_i-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_i-s-j_{sa}^{s}+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-I-1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\left.\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\right.$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - I - 1\right)!}{(n_i - \boldsymbol{n} - I)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-I-j_{sa}^{ik}-1)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-j_{sa}^{ik}-1)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^0S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{\left(n_i - \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{ik} - 2\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} - j_{sa}^{ik} - 1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot \\
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) + \\
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right. \\
\left. \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \right. \\
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \\
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \\
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
\end{aligned}
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-I+1\right)!}{(n_i-\boldsymbol{n}-I)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left. \left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) \right) -$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - s - \mathbb{k} - 1)!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

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$\mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

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$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}_2-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{ik} + j_{ik} + \mathbb{k}_1 - j_s - s - \mathbb{k} - 1)!}{(n_{ik} + j_{ik} + \mathbb{k}_1 - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} + \mathbb{k}_1 - s - \mathbb{k} - j_{sa}^{s} - 1\right)!}{(n_{ik} + j_{ik} + \mathbb{k}_1 - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot \left(\boldsymbol{n} + j_{sa}^{ik} - s - j_{ik}\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s - n_{ik} - j_{ik} - s - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s+\mathbb{k}_2-n_{ik}-j_{ik}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{is}+2\cdot j_s+\mathbb{k}_2-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}_2-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{ik}+j_i+\mathbb{k}_1-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j_i+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k}=0 \wedge I=1 \wedge \boldsymbol{s}=s+1 \wedge j_{ik}=j_i-1 \vee$

$I=\mathbb{k}+1 \wedge s>1 \wedge \mathbb{k}>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z{:}\,z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik}=j_i-1 \vee$

$I=\mathbb{k}+1 \wedge s>1 \wedge \mathbb{k}_2>0 \wedge \mathbb{k}_1=0 \wedge \boldsymbol{I}=1 \wedge$

$\boldsymbol{s}=s+\mathbb{k}+1 \wedge \mathbb{k}_z{:}\,z=1 \wedge \mathbb{k}=\mathbb{k}_2 \wedge j_{ik}=j_i-1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = {} & \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}\\
& \sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot\\
& \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+\\
& \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.\\
& \sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\\
& \frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot\\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot\\
& \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\\
& \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
\end{aligned}
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}\ \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}\ \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_{ik}-j_i-s-2\cdot\mathbb{k}_1-\mathbb{k}_2)!}{(2\cdot n_{is}+2\cdot j_s-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s+\mathbb{k}_2-n_{ik}-j_i-s-2\cdot\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+\mathbb{k}_2-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

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$$
{}^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$\frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D - s)!}{(D - \boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k} - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_{D}^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - j_{sa}^{ik} + 1)! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1-1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_s-j_i-s-2\cdot \mathbb{k}_2-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot \mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1+\mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \\
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot \\
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot \\
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+ \\
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right. \\
\left.\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\right. \\
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot \\
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \\
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot \\
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
\end{aligned}
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-j_{sa}^{ik}+1)!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}+n_{ik}+j_{ik}+\mathbb{k}_1-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(n_{is}+n_{ik}+j_s+j_{ik}+\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \\
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot \\
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+ \\
\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right. \\
\left. \sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \right. \\
\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot \\
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \\
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot \\
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
\end{aligned}
$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s+j_{ik}-j_s-s)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-j_{ik}-1)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - 2 \cdot j_i - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2)!}{(3 \cdot n_{is} + 3 \cdot j_s - n_{ik} - n_s - 2 \cdot j_i - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1-2)!}{(3\cdot n_{is}+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

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$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

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$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(2 \cdot n_{ik} + j_{ik} + 2 \cdot \mathbb{k}_1 - n_s - j_s - s - 2 \cdot \mathbb{k} - 2)!}{(2 \cdot n_{ik} + j_{ik} + 2 \cdot \mathbb{k}_1 - n_s - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{DOS} = \frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_s+s-1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!} \cdot \left(\sum_{j_s=2}^{\boldsymbol{n}-s+1} \sum_{(j_{ik}=j_s+s-2)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - j_s - 1)!}{(j_{ik} - j_s - s + 2)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

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$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\ \sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}-n_s-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-2)!}{(n_{is}+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D\geq\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{DOS}=\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\ \sum_{(j_{ik}=j_s+s-2)}^{(\ )}\ \sum_{j_i=j_s+s-1}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\left(\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-2)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-j_s-1)!}{(j_{ik}-j_s-s+2)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$\frac{(D-s)!}{(D-\boldsymbol{n})!}\cdot\sum_{j_s=2}^{\boldsymbol{n}-s+1}\sum_{(j_{ik}=j_s+j_{sa}^{ik}-1)}^{(\ )}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}_1+\mathbb{k}_2-j_s+2}^{n_i-j_s+1}\sum_{(n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+n_{ik}+\mathbb{k}_1-n_s-s-2\cdot\mathbb{k}-2)!}{(n_{is}+n_{ik}+j_s+\mathbb{k}_1-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

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$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k} + 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z > 1 \Rightarrow$

$$
{}^{0}S_{D}^{DOS} = (D-s) \cdot \prod_{z=2}^{s} \sum_{((j_i)_1=2)}^{((j_{ik})_3-1)} \sum_{(j_{ik})_z=z}^{(j_i)_z-1} \sum_{((j_i)_z=z+1 \vee z=s \Rightarrow s+1)}^{((j_{ik})_{z+2}-1 \vee \boldsymbol{n})}
$$

$$
\sum_{n_i=n} \sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=1}\mathbb{k}_i-(j_i)_1 \vee z=s \Rightarrow \boldsymbol{n}+\sum_{i=1}^{s-1}\mathbb{k}_i-(j_i)_1+2\right)}^{(n-(j_i)_1+1)}
$$

$$
\sum_{(n_{ik})_z=(n_s)_z+(j_i)_z+\sum_{i=z-1}\mathbb{k}_i-(j_{ik})_z \vee z=s \Rightarrow \boldsymbol{n}+\sum_{i=z-1}^{s-1}\mathbb{k}_i-(j_{ik})_z+2}^{(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}
$$

$$
\sum_{\left((n_s)_z=(n_s)_{z+1}+(j_i)_{z+1}+\sum_{i=z}\mathbb{k}_i-(j_i)_z \vee z=s \Rightarrow \boldsymbol{n}+\sum_{i=z}^{s-1}\mathbb{k}_i-(j_i)_z+2\right)}^{\left((n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}
$$

$$
\frac{(D-s)!}{(D-s-(j_i)_1+2)!} \cdot \frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!} \cdot \frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!} \cdot
$$

$$
\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)! \cdot (n-(n_{ik})_1-(j_i)_1+1)!} \cdot
$$

$$
\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)! \cdot ((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!} \cdot
$$

$$
\frac{((n_s)_{z=s}-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-(j_i)_{z=s})!} -
$$

$$
(D-s) \cdot \prod_{z=2}^{s} \sum_{((j_i)_1=(j_{ik})_3-1)}^{(\ )} \sum_{(j_{ik})_z=(j_i)_z-1} \sum_{((j_i)_z=z+1 \vee z=s \Rightarrow s+1)}^{(\boldsymbol{n})}
$$

$$
\sum_{n_i=n} \sum_{((n_{ik})_1=n-(j_i)_1+1)}^{(\ )}
$$

$$
\sum_{(n_{ik})_z=(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}
$$

$$
\sum_{\left((n_s)_z=(n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}^{(\ )}
$$

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$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}$$

$D\geq\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z>1\Rightarrow$

$$^0S_D^{DOS}=(D-s)\cdot\prod_{z=2}^{s}\sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\sum_{(j_{ik})_z=z}^{(j_i)_z-1}\sum_{((j_i)_z=z+1\vee z=s\Rightarrow s+1)}^{((j_{ik})_{z+2}-1\vee\boldsymbol{n})}$$

$$\sum_{n_i=n}\sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=1}\mathbb{k}_i-(j_i)_1\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=1}^{s-1}\mathbb{k}_i-(j_i)_1+2\right)}^{(n-(j_i)_1+1)}$$

$$\sum_{(n_{ik})_z=(n_s)_z+(j_i)_z+\sum_{i=z-1}\mathbb{k}_i-(j_{ik})_z\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z-1}^{s-1}\mathbb{k}_i-(j_{ik})_z+2}^{(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum_{\left((n_s)_z=(n_s)_{z+1}+(j_i)_{z+1}+\sum_{i=z}\mathbb{k}_i-(j_i)_z\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z}^{s-1}\mathbb{k}_i-(j_i)_z+2\right)}^{\left((n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}\sum_{i=2}^{\boldsymbol{n}-(j_i)_{z=s}+1}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\left(\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}+\right.$$

$$\left.\frac{((n_s)_{z=s}-i-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s}-i+1)!}\right)-$$

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$$(D-s)\cdot\prod_{z=2}^{s}\sum_{((j_i)_1=(j_{ik})_3-1)}^{(\ )}\sum_{(j_{ik})_z=(j_i)_z-1}\sum_{((j_i)_z=z+1\vee z=s\Rightarrow s+1)}^{(\boldsymbol{n})}$$

$$\sum_{n_i=n}\sum_{((n_{ik})_1=n-(j_i)_1+1)}^{(\ )}$$

$$\sum_{(n_{ik})_z=(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum_{\left((n_s)_z=(n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}^{(\ )}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge I = \mathbb{k}+1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z : z > 1 \Rightarrow$

$${}^{0}S_D^{DOS} = (D-s)\cdot\prod_{z=2}^{s}\sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\sum_{(j_{ik})_z=z}^{(j_i)_z-1}\sum_{((j_i)_z=z+1\vee z=s\Rightarrow s+1)}^{((j_{ik})_{z+2}-1\vee\boldsymbol{n})}$$

$$\sum_{n_i=n}\sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=1}\mathbb{k}_i-(j_i)_1\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=1}^{s-1}\mathbb{k}_i-(j_i)_1+2\right)}^{(n-(j_i)_1+1)}$$

$$\sum_{(n_{ik})_z=(n_s)_z+(j_i)_z+\sum_{i=z-1}\mathbb{k}_i-(j_{ik})_z\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z-1}^{s-1}\mathbb{k}_i-(j_{ik})_z+2}^{(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum_{\left((n_s)_z=(n_s)_{z+1}+(j_i)_{z+1}+\sum_{i=z}\mathbb{k}_i-(j_i)_z\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z}^{s-1}\mathbb{k}_i-(j_i)_z+2\right)}^{\left((n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}$$

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$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\frac{((n_s)_{z=s}-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}-$$

$$(D-s)\cdot\frac{n-\iota-s+1}{n-s-I+1}\cdot\prod_{z=2}^{s}\sum_{((j_i)_1=(j_{ik})_3-1)}^{(\ )}\sum_{(j_{ik})_z=(j_i)_z-1}\sum_{((j_i)_z=z+1\vee z=s\Rightarrow s+1)}^{(\boldsymbol{n})}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}+1}^{n}\sum_{((n_{ik})_1=n_i-(j_i)_1+1)}^{(\ )}$$

$$\sum_{(n_{ik})_z=(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum^{(\ )}_{\left((n_s)_z=(n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n_i-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n_i-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}$$

$D\geq\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z>1\Rightarrow$

$${}^{0}S_D^{DOS}=(D-s)\cdot\prod_{z=2}^{s}\sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\sum_{(j_{ik})_z=z}^{(j_i)_z-1}\sum_{((j_i)_z=z+1\vee z=s\Rightarrow s+1)}^{((j_{ik})_{z+2}-1\vee\boldsymbol{n})}$$

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$$\sum_{n_i=n}\ \sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=1}\mathbb{k}_i-(j_i)_1 \vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=1}^{s-1}\mathbb{k}_i-(j_i)_1+2\right)}^{(n-(j_i)_1+1)}$$

$$\sum_{(n_{ik})_z=(n_s)_z+(j_i)_z+\sum_{i=z-1}\mathbb{k}_i-(j_{ik})_z \vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z-1}^{s-1}\mathbb{k}_i-(j_{ik})_z+2}^{(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum_{\left((n_s)_z=(n_s)_{z+1}+(j_i)_{z+1}+\sum_{i=z}\mathbb{k}_i-(j_i)_z \vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z}^{s-1}\mathbb{k}_i-(j_i)_z+2\right)}^{\left((n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)} \sum_{i=2}^{\boldsymbol{n}-(j_i)_{z=s}+1}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\left(\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}+\right.$$

$$\left.\frac{((n_s)_{z=s}-i-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s}-i+1)!}\right)-$$

$$(D-s)\cdot\frac{n-\imath-s+1}{n-s-I+1}\cdot\prod_{z=2}^{s}\sum_{((j_i)_1=(j_{ik})_3-1)}^{(\ )}\ \sum_{(j_{ik})_z=(j_i)_z-1}\ \sum_{((j_i)_z=z+1 \vee z=s\Rightarrow s+1)}^{(\boldsymbol{n})}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}+1}^{n}\ \sum_{((n_{ik})_1=n_i-(j_i)_1+1)}^{(\ )}$$

$$\sum_{(n_{ik})_z=(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_{ik})_z-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum_{\left((n_s)_z=(n_{ik})_z+(j_{ik})_z-(j_i)_z-\sum_{i=z-1}\mathbb{k}_i\right)}^{(\ )}$$

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$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_z\right)!}{\left(D-s-(j_i)_z+(j_{ik})_z-\left(j_{ik}-j_{sa}^{ik}\right)_z+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n_i-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n_i-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_z-(n_s)_z-1)!}{((j_i)_z-(j_{ik})_z-1)!\cdot((n_{ik})_z+(j_{ik})_z-(n_s)_z-(j_i)_z)!}\cdot$$

$$\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}$$

GÜL DÜNYA

BAĞIMLI DURUMLA BAŞLAYAN DAĞILIMLARDA BİR BAĞIMLI-BİR BAĞIMSIZ DURUMLU KALAN DÜZGÜN OLMAYAN SİMETRİK BULUNMAMA OLASILIĞI

Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde $\{1,0\}$, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısı; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımın başladığı duruma göre tek simetrik olasılıktan, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı durumun bağımsız tek simetrik olasılığın farkının $(D-s)$ çarpımından, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılığın çıkarılmasına eşit olur. Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, kalan düzgün olmayan simetrik bulunmama olasılığı için,

$$ {}^{0}S_{D}^{DOS,B} = \left({}_{0,T}^{1}S_{1}^{1} - {}_{0,1t}^{1}S_{1}^{1}\right) \cdot (D-s) - {}^{0}S_{D}^{DOS} $$

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda, simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde; simetride bulunmayan bağımlı durumlarla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı*** denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı ${}^{0}S_{D}^{DOS,B}$ ile gösterilecektir.

GÜNDÜNYA

BAĞIMLI DURUMLA BAŞLAYAN DAĞILIMLARDA BAĞIMLI-BİR BAĞIMSIZ DURUMLU KALAN DÜZGÜN OLMAYAN SİMETRİK BULUNMAMA OLASILIĞI

Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde $\{1, 2, 3, 4, 5, \mathbf{0}\}$ veya $\{1, 2, \mathbf{0}, \mathbf{0}, \mathbf{0}, 3, 4, \mathbf{0}, \mathbf{0}, 5, \mathbf{0}\}$, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısı; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımın başladığı duruma göre tek simetrik olasılıktan, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı durumun bağımsız tek simetrik olasılığın farkının $(D - s)$ çarpımından, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik olasılığın çıkarılmasına eşit olur. Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlardan, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, kalan düzgün olmayan simetrik bulunmama olasılığı için,

$$ {}^{0}S_{D}^{DOS,B} = \left({}_{0,T}^{1}S_{1}^{1} - {}_{0,1t}^{1}S_{1}^{1} \right) \cdot (D - s) - {}^{0}S_{D}^{DOS} $$

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli dağılımlarda, simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde; simetride bulunmayan bağımlı durumlarla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı*** denir. Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı ${}^{0}S_{D}^{DOS,B}$ ile gösterilecektir.

GÜDÜMYA

BÖLÜM E1 KALAN SİMETRİK OLASILIK

ÖZET

KALAN SİMETRİK OLASILIKLAR

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan ve bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki, simetrik olasılıklar; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan simetrik olasılıkların $(D - s)$ ile çarpımına eşit olur.

$$S^{DS} = S^{DST} \cdot (D - s)$$

veya

$${}_0S^{DS} = {}_0S^{DST} \cdot (D - s)$$

veya

$${}^0S^{DS} = {}^0S^{DST} \cdot (D - s)$$

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki, simetrik olasılıklar; aynı dağılımlardaki bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan simetrik olasılıkların $(D - s)$ ile çarpımına eşit olur.

$$S_0^{DS} = S_0^{DST} \cdot (D - s)$$

veya

$${}_0S_0^{DS} = {}_0S_0^{DST} \cdot (D - s)$$

veya

$${}^0S_0^{DS} = {}^0S_0^{DST} \cdot (D - s)$$

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, simetrik olasılıklar; aynı dağılımlardaki bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan simetrik olasılıkların $(D - s)$ ile çarpımına eşit olur.

$$S_D^{DS} = S_D^{DST} \cdot (D - s)$$

veya

$${}_0S_D^{DS} = {}_0S_D^{DST} \cdot (D - s)$$

veya

$${}^0S_D^{DS} = {}^0S_D^{DST} \cdot (D - s)$$

GÜLDÜNYA

KALAN DÜZGÜN SİMETRİK OLASILIKLAR

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan ve bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki, düzgün simetrik olasılıklar; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan düzgün simetrik olasılıkların $(D-s)$ ile çarpımına eşit olur.

$$S^{DSS} = S^{DSST} \cdot (D-s)$$

veya

$${}_0S^{DSS} = {}_0S^{DSST} \cdot (D-s)$$

veya

$${}^0S^{DSS} = {}^0S^{DSST} \cdot (D-s)$$

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki, düzgün simetrik olasılıklar; aynı dağılımlardaki bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan düzgün simetrik olasılıkların $(D-s)$ ile çarpımına eşit olur.

$$S_0^{DSS} = S_0^{DSST} \cdot (D-s)$$

veya

$${}_0S_0^{DSS} = {}_0S_0^{DSST} \cdot (D-s)$$

veya

$${}^0S_0^{DSS} = {}^0S_0^{DSST} \cdot (D-s)$$

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün simetrik olasılıklar; aynı dağılımlardaki bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan düzgün simetrik olasılıkların $(D-s)$ ile çarpımına eşit olur.

$$S_D^{DSS} = S_D^{DSST} \cdot (D-s)$$

veya

$${}_0S_D^{DSS} = {}_0S_D^{DSST} \cdot (D-s)$$

veya

$${}^0S_D^{DSS} = {}^0S_D^{DSST} \cdot (D-s)$$

GÜL DÜNYA

KALAN DÜZGÜN OLMAYAN SİMETRİK OLASILIKLAR

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan ve bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki, düzgün olmayan simetrik olasılıklar; bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan düzgün olmayan simetrik olasılıkların $(D - s)$ ile çarpımına eşit olur.

$$S^{DOS} = S^{DOST} \cdot (D - s)$$
veya
$${}_0S^{DOS} = {}_0S^{DOST} \cdot (D - s)$$
veya
$${}^0S^{DOS} = {}^0S^{DOST} \cdot (D - s)$$

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetride bulunmayan bağımlı durumlar bulunan dağılımlardaki, düzgün olmayan simetrik olasılıklar; aynı dağılımlardaki bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan düzgün olmayan simetrik olasılıkların $(D - s)$ ile çarpımına eşit olur.

$$S_0^{DOS} = S_0^{DOST} \cdot (D - s)$$
veya
$${}_0S_0^{DOS} = {}_0S_0^{DOST} \cdot (D - s)$$
veya
$${}^0S_0^{DOS} = {}^0S_0^{DOST} \cdot (D - s)$$

- Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki, düzgün olmayan simetrik olasılıklar; aynı dağılımlardaki bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli tek kalan düzgün olmayan simetrik olasılıkların $(D - s)$ ile çarpımına eşit olur.

$$S_D^{DOS} = S_D^{DOST} \cdot (D - s)$$
veya
$${}_0S_D^{DOS} = {}_0S_D^{DOST} \cdot (D - s)$$
veya
$${}^0S_D^{DOS} = {}^0S_D^{DOST} \cdot (D - s)$$

GÜL DÜNYA

DİZİN

B

Bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli

bağımlı durumlu

kalan simetrik olasılık, 2.2.17/8

kalan düzgün simetrik olasılık, 2.2.18.1/8

kalan düzgün olmayan simetrik olasılık, 2.2.19/6

kalan simetrik bulunmama olasılığı, 2.2.17/490, 491

kalan düzgün simetrik bulunmama olasılığı, 2.2.18.1/1054

kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.19/1034

bağımsız kalan simetrik olasılık, 2.2.17/25

bağımsız kalan düzgün simetrik olasılık, 2.2.18.1/111, 112

bağımsız kalan düzgün olmayan simetrik olasılık, 2.2.19/348

bağımsız kalan simetrik bulunmama olasılığı, 2.2.17/491

bağımsız kalan düzgün simetrik bulunmama olasılığı, 2.2.18.1/1054, 1055

bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.19/1035

bağımlı kalan simetrik olasılık, 2.2.17/41, 42

bağımlı kalan düzgün simetrik olasılık, 2.2.18.1/311, 312

bağımlı kalan düzgün olmayan simetrik olasılık, 2.2.19/691

bağımlı kalan simetrik bulunmama olasılığı, 2.2.17/492

bağımlı kalan düzgün simetrik bulunmama olasılığı, 2.2.18.1/1055

bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.19/1036

bağımsız-bağımlı durumlu

kalan simetrik olasılık, 2.2.17/59

kalan düzgün simetrik olasılık, 2.2.18.1/512

kalan düzgün olmayan simetrik olasılık, 2.2.20.1/6

kalan simetrik bulunmama olasılığı, 2.2.17/493

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kalan düzgün simetrik bulunmama olasılığı, 2.2.18.1/1056

kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.20.1/610

bağımsız kalan simetrik olasılık, 2.2.17/90

bağımsız kalan düzgün simetrik olasılık, 2.2.18.1/627

bağımsız kalan düzgün olmayan simetrik olasılık, 2.2.20.2/6

bağımsız kalan simetrik bulunmama olasılığı, 2.2.17/494

bağımsız kalan düzgün simetrik bulunmama olasılığı, 2.2.18.1/1057

bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.20.2/616

bağımlı kalan simetrik olasılık, 2.2.17/121

bağımlı kalan düzgün simetrik olasılık, 2.2.18.1/842

bağımlı kalan düzgün olmayan simetrik olasılık, 2.2.20.3/6

bağımlı kalan simetrik bulunmama olasılığı, 2.2.17/494

bağımlı kalan düzgün simetrik bulunmama olasılığı, 2.2.18.1/1057

bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.20.3/360

bağımlı-bir bağımsız durumlu

kalan simetrik olasılık, 2.2.17/147, 148

kalan düzgün simetrik olasılık, 2.2.18.2/11

kalan düzgün olmayan simetrik olasılık, 2.2.21.1/8

kalan simetrik bulunmama olasılığı, 2.2.17/497

kalan düzgün simetrik bulunmama olasılığı, 2.2.18.2/548

kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.21.1/548

bağımsız kalan simetrik olasılık, 2.2.17/176, 177

bağımsız kalan düzgün simetrik olasılık, 2.2.18.2/121

bağımsız kalan düzgün olmayan simetrik olasılık, 2.2.21.2/8

bağımsız kalan simetrik bulunmama olasılığı, 2.2.17/498

bağımsız kalan düzgün simetrik bulunmama olasılığı, 2.2.18.2/549

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bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.21.2/551

bağımlı kalan simetrik olasılık, 2.2.17/205

bağımlı kalan düzgün simetrik olasılık, 2.2.18.2/331, 332

bağımlı kalan düzgün olmayan simetrik olasılık, 2.2.21.3/8

bağımlı kalan simetrik bulunmama olasılığı, 2.2.17/498

bağımlı kalan düzgün simetrik bulunmama olasılığı, 2.2.18.2/549

bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.21.3/551

bağımlı-bağımsız durumlu

kalan simetrik olasılık, 2.2.17/240

kalan düzgün simetrik olasılık, 2.2.18.3/7

kalan düzgün olmayan simetrik olasılık, 2.2.22.1/8

kalan simetrik bulunmama olasılığı, 2.2.17/501

kalan düzgün simetrik bulunmama olasılığı, 2.2.18.3/1164

kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.22.1/554

bağımsız kalan simetrik olasılık, 2.2.17/270

bağımsız kalan düzgün simetrik olasılık, 2.2.18.3/121

bağımsız kalan düzgün olmayan simetrik olasılık, 2.2.22.2/8

bağımsız kalan simetrik bulunmama olasılığı, 2.2.17/502

bağımsız kalan düzgün simetrik bulunmama olasılığı, 2.2.18.3/1165

bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.22.2/557

bağımlı kalan simetrik olasılık, 2.2.17/301

bağımlı kalan düzgün simetrik olasılık, 2.2.18.3/335

bağımlı kalan düzgün olmayan simetrik olasılık, 2.2.22.3/8

bağımlı kalan simetrik bulunmama olasılığı, 2.2.17/502

bağımlı kalan düzgün simetrik bulunmama olasılığı, 2.2.18.3/1165

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bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.22.3/558

bağımsız-bağımsız durumlu

kalan simetrik olasılık, 2.2.17/335

kalan düzgün simetrik olasılık, 2.2.18.3/550

kalan düzgün olmayan simetrik olasılık, 2.2.23.1/6

kalan simetrik bulunmama olasılığı, 2.2.17/503

kalan düzgün simetrik bulunmama olasılığı, 2.2.18.3/1166

kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.23.1/957

bağımsız kalan simetrik olasılık, 2.2.17/394

bağımsız kalan düzgün simetrik olasılık, 2.2.18.3/686

bağımsız kalan düzgün olmayan simetrik olasılık, 2.2.23.2/6

bağımsız kalan simetrik bulunmama olasılığı, 2.2.17/504

bağımsız kalan düzgün simetrik bulunmama olasılığı, 2.2.18.3/1167

bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.23.2/960

bağımlı kalan simetrik olasılık, 2.2.17/452

bağımlı kalan düzgün simetrik olasılık, 2.2.18.3/928, 929

bağımlı kalan düzgün olmayan simetrik olasılık, 2.2.23.3/6

bağımlı kalan simetrik bulunmama olasılığı, 2.2.17/504

bağımlı kalan düzgün simetrik bulunmama olasılığı, 2.2.18.3/1167

bağımlı kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.23.3/966

bir bağımlı-bir bağımsız durumlu

kalan simetrik olasılık, 2.2.17/139

kalan düzgün simetrik olasılık, 2.2.18.2/6

kalan düzgün olmayan simetrik olasılık, 2.2.21.1/6

kalan simetrik bulunmama olasılığı, 2.2.17/495

kalan düzgün simetrik bulunmama olasılığı, 2.2.18.2/546

kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.21.1/547

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bağımsız kalan simetrik olasılık, 2.2.17/140

bağımsız kalan düzgün simetrik olasılık, 2.2.18.2/7

bağımsız kalan düzgün olmayan simetrik olasılık, 2.2.21.2/6

bağımsız kalan simetrik bulunmama olasılığı, 2.2.17/496

bağımsız kalan düzgün simetrik bulunmama olasılığı, 2.2.18.2/547

bağımsız kalan düzgün olmayan simetrik bulunmama olasılığı, 2.2.21.2/550

bağımlı kalan simetrik olasılık, 2.2.17/142

bağımlı kalan düzgün simetrik olasılık, 2.2.18.2/8

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VDOİHİ'de Olasılık ve İhtimal konularının tanım ve eşitlikleri verilmektedir. Ayrıca VDOİHİ'de olasılık ve ihtimalin uygulama alanlarına da yer verilmektedir. Bu cilt, bağımlı ve bir bağımsız olasılıklı büyük farklı dizilimli bir bağımlı-bir bağımsız ve bağımlı-bir bağımsız durumlu simetrinin, simetride bulunmayan bağımlı durumlarla başlayan dağılımlardaki kalan düzgün olmayan simetrik olasılığı ve kalan düzgün olmayan simetrik bulunmama olasılıklarının tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve Bir Bağımsız Olasılıklı Büyük Farklı Dizilimli Bir Bağımlı-Bir Bağımsız ve Bağımlı-Bir Bağımsız Durumlu Simetrinin Bağımlı Durumlarla Başlayan Dağılımlardaki Kalan Düzgün Olmayan Simetrik Olasılık kitabında, bağımlı durum sayısı, bağımlı olay sayısından büyük farklı dizilimli dağılımlar ve bir bağımsız olasılıklı dağılımla elde edilebilecek yeni olasılık dağılımlarından, simetride bulunmayan bağımlı durumlarla başlayan dağılımlarda, bir bağımlı-bir bağımsız ve bağımlı-bir bağımsız durumlardan oluşan simetrinin; düzgün olmayan simetrik olasılıkları ve düzgün olmayan simetrik bulunmama olasılıklarının tanım ve eşitlikleri verilmektedir.

VDOİHİ'nin bu cildinde verilen kalan düzgün olmayan simetrik olasılık eşitlikleri teorik yöntemle üretilmiştir. Tanım ve eşitliklerin üretilmesinde dış kaynak kullanılmamıştır.

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