VDOİHİ

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimli Bir Bağımlı-Bir Bağımsız ve Bağımlı-Bir Bağımsız Durumlu Simetrinin Bağımlı Durumla Başlayan Dağılımlardaki İlk Düzgün Olmayan Simetrik Olasılığı Cilt 2.1.7.3

İsmail YILMAZ

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İsmail YILMAZ

KÜTÜPHANE BİLGİLERİ

Yılmaz, İsmail.

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1. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli ilk düzgün olmayan simetrik olasılık 2. Bir Bağımlı-bir bağımsız durumlu simetrinin ilk düzgün olmayan simetrik olasılığı 3. Bağımlı-bir bağımsız durumlu simetrinin ilk 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**ekniklerini (PÇT) aktifleyerek; verilenler-istenilenler (Vİ), serbest cisim diyagramı/çizim (SCD), tanım, formül ve işlem aşamalarıyla, eğitimde ölçme ve değerlendirmede beş boyut daha aktiflemiştir. PÇT aşamalarını bilgi düzeyi, çözümlerin sonucunu da başarı düzeyi olarak tanımlayıp, ölçme ve değerlendirme için iki yeni boyut daha kazandırmıştır. Sınıflandırılmış iki tabanlı olasılık yönteminin aşamaları ve negatiflerdeki pozitiflerle, ölçme ve değerlendirmeye beş yeni boyut daha kazandırılmıştır. Verilerin; Shannon eşitliği veya VDOİHİ'de verilen olasılık-ihtimal eşitlikleriyle değerlendirmeyi bilgi merkezli, matematiksel fonksiyonlarla (lineer, kuvvet, trigonometri “sin, cos, tan, cot, sinh, cosh, tanh, coth”, ln, log, eksponansiyel v.d.) değerlendirmeyi ise birey merkezli değerlendirme, sınırlandırması getirerek, değerlendirmeye iki yeni boyut daha kazandırmıştır. Ayrıca $\frac{a}{b}+\frac{c}{d}$ ve $\frac{a+c}{b+d}$ matematiksel işlemlerinin anlam ve sonuç farklılıklarını, değerlendirme için aktifleyerek, değerlendirmeye iki yeni boyut daha kazandırmıştır. Böylece eğitimde ölçme ve değerlendirmeye; PÇT aşamaları 5×5, yine PÇT’nin bilgi ve başarı düzeylerinin 2×2, sınıflandırılmış iki tabanlı olasılık yöntemi 5×5, bilgi ve 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 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 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 disiplinin belirlenmesi, verinin analizinden verilen ve istenilenlerin belirlenmesi, değişken analizi, eksik değişkenlerin belirlenmesi, eksik değişkenlerin verilerinin üretimi, değişkenler arası eşitliklerin kurulması ve elde edilen bilgilerin sözel ifadeleriyle bilim ve teknoloji için gerekli bilgiyi üretebilen yazılımlar verilmiştir. Hem bu yazılımlarla hem de benzeri yazılımlarla, bilim insanları tarafından üretilemeyen bilgi ve teknolojilerin isteyen her kişi tarafından üretilebilir olması sağlanmıştır. Ayrıca kütüphane ve referans bilgilerinin üretiminde, olasılık dağılımları üzerinden çalışan makinaların bir olayın tüm yönlerini (olasılıklarını) kullanmaları sağlanarak, tıpkı insan gibi düşünebilmesi sağlanmıştır. Böylece makinaların özgürce düşünebilmesinin önündeki engeller kaldırılmıştır. Gerçek yapay zeka pahalı deneylere ihtiyacı ortadan kaldırarak, insanlara yaradan'ın tanıdığı eşitliklerin (matematiksel eşitlik değil!), belirli insanlar tarafından saptırılarak, diğerlerinin eşitlik ve 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 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.

İÇİNDEKİLER

j

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 ($\mathrm{j_{ik}}$'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 $\mathrm{j^{sa}}$'da bulunan durumun (simetrinin $\mathrm{j_{sa}}$' 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}: $\mathrm{j_{ik}}$'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

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}: 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 farklı dizilimli bağımlı durumlu simetrik olasılık

$S^{İS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu ilk simetrik olasılık

$S^{İSS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu ilk düzgün simetrik olasılık

$S^{İSO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu ilk 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

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

$S_0^{İS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımsız ilk simetrik olasılık

$S_0^{İSS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımsız ilk düzgün simetrik olasılık

$S_0^{İSO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımsız ilk düzgün olmayan simetrik olasılık

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

$S_D^{İS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımlı ilk simetrik olasılık

$S_D^{İSS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımlı ilk düzgün simetrik olasılık

$S_D^{İSO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımlı ilk düzgün olmayan simetrik olasılık

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

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

${}_0S^{İSS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu ilk düzgün simetrik olasılık

${}_0S^{İSO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu ilk düzgün olmayan simetrik olasılık

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

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

${}_0S_0^{İSS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımsız ilk düzgün simetrik olasılık

${}_0S_0^{İSO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımsız ilk düzgün olmayan simetrik olasılık

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

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

${}_0S_D^{İSS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımlı ilk düzgün simetrik olasılık

${}_0S_D^{İSO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımlı ilk düzgün olmayan simetrik olasılık

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

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

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

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

${}^{0}S_0$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu bağımsız simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu bağımsız simetrik olasılık

${}^{0}S_0^{İs}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bir bağımlı-bir bağımsız bağımsız ilk simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bağımlı-bir bağımsız bağımsız ilk simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bir bağımlı-bağımsız bağımsız ilk simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bağımlı-bağımsız bağımsız ilk simetrik olasılık veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bağımsız-bağımsız bağımsız ilk simetrik olasılık

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

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

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

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

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

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

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

$S_{j_s,j^{sa}\Leftarrow}$: 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 ve herhangi iki durumunun bulunabileceği olaylara göre 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

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

$S_{j_s,art\,j^{sa}\Rightarrow}$: 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

$S_{j_s,j_{ik},j^{sa}\Rightarrow}$: 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

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

$S_{j_s, art\, j^{sa} \Leftrightarrow}$: 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

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

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

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

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

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

$S_{BB j_s, j_{ik}, j^{sa} \Leftarrow}$: 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 farklı dizilimli bağımlı durumlu simetrik bulunmama olasılığı

$S^{İS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu ilk simetrik bulunmama olasılığı

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

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

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

$S_0^{İS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımsız ilk simetrik bulunmama olasılığı

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

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

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

$S_D^{\dot{I}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımlı ilk simetrik bulunmama olasılığı

$S_D^{\dot{I}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı

$S_D^{\dot{I}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}_0S^{\dot{I}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu ilk simetrik bulunmama olasılığı

${}_0S^{\dot{I}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu ilk düzgün simetrik bulunmama olasılığı

${}_0S^{\dot{I}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}_0S_0^{\dot{I}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımsız ilk simetrik bulunmama olasılığı

${}_0S_0^{\dot{I}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımsız ilk düzgün simetrik bulunmama olasılığı

${}_0S_0^{\dot{I}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımsız ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}_0S_D^{\dot{I}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımlı ilk simetrik bulunmama olasılığı

${}_0S_D^{\dot{I}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı

${}_0S_D^{\dot{I}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}^0S^{\dot{I}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız t

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

${}^{0}S^{\text{İ}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu ilk düzgün simetrik bulunmama olasılığı

${}^{0}S^{\text{İ}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}^{0}S_{0}^{\text{İ}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bir bağımlı-bir bağımsız bağımsız ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bağımlı-bir bağımsız bağımsız ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bir bağımlı-bağımsız bağımsız ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bağımlı-bağımsız bağımsız ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı bağımsız-bağımsız bağımsız ilk simetrik bulunmama olasılığı

${}^{0}S_{0}^{\text{İ}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu bağımsız ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu bağımsız ilk düzgün simetrik bulunmama olasılığı

${}^{0}S_{0}^{\dot{I}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımsız ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımsız ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımsız ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu bağımsız ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu bağımsız ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}^{0}S_{D}^{\dot{I}S,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu bağımlı ilk simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu bağımlı ilk simetrik bulunmama olasılığı

${}^{0}S_{D}^{\dot{I}SS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu bağımlı ilk düzgün simetrik bulunmama olasılığı

${}^{0}S_{D}^{\dot{I}SO,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı

${}^{1}S_1^1$: bir olay için bir durumun tek simetrik olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı durumun bağımlı tek simetrik olasılığı veya bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir olay için bir bağımlı durumun tek simetrik olasılığı

${}^{1}S_1^{1,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir olay için bir bağımlı durumun tek simetrik bulunmama olasılığı

${}_1^1S_1^1$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir dizilimin bağımlı tek simetrik olasılık

${}_D^1S_1^1$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir olay için bağımlı tek simetrik olasılık

${}_0^1S_1^1$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir olay için bağımsız tek simetrik olasılık

${}_0^1S_1^{1,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir olay için bağımsız tek simetrik bulunmama olasılığı

${}_{0,1}^{\;\;1}S_1^1$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir dizilimin bağımsız tek simetrik olasılığı

${}_{0,1t}^{\;\;\;1}S_1^1$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı durumun bağımsız tek simetrik olasılığı

${}_{0,T}^{\;\;1}S_1^1$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımın başladığı duruma göre tek simetrik olasılık

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

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

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

${}_0S^{BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte simetrik olasılık

${}_0S^{İS,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte ilk simetrik olasılık

${}_0S^{İSS,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte ilk düzgün simetrik olasılık

${}_0S^{İSO,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte ilk düzgün olmayan simetrik olasılık

${}_0S_0^{BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte simetrik olasılık

${}_0S_0^{İS,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte ilk simetrik olasılık

${}_0S_0^{İSS,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte ilk düzgün simetrik olasılık

${}_0S_0^{İSO,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte ilk düzgün olmayan simetrik olasılık

${}_0S_D^{BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte simetrik olasılık

${}_0S_D^{\dot{I}S,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte ilk simetrik olasılık

${}_0S_D^{\dot{I}SS,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte ilk düzgün simetrik olasılık

${}_0S_D^{\dot{I}SO,BS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte ilk düzgün olmayan simetrik olasılık

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

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

${}_0S_T$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu toplam simetrik olasılık

${}_0S_{0,T}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımsız toplam simetrik olasılık

${}_0S_{D,T}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız-bağımlı durumlu bağımlı toplam simetrik olasılık

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

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

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

${}_0S^{BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte simetrik bulunmama olasılığı

${}_0S^{\dot{I}S,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte ilk simetrik bulunmama olasılığı

${}_0S^{\dot{I}SS,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte ilk düzgün simetrik bulunmama olasılığı

${}_0S^{\dot{I}SO,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli birlikte ilk düzgün olmayan simetrik bulunmama olasılığı

${}_0S_0^{BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte simetrik bulunmama olasılığı

${}_0S_0^{\dot{I}S,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte ilk simetrik bulunmama olasılığı

${}_0S_0^{\dot{I}SS,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte ilk düzgün simetrik bulunmama olasılığı

${}_0S_0^{\dot{I}SO,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımsız birlikte ilk düzgün olmayan simetrik bulunmama olasılığı

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

${}_0S_D^{\dot{I}S,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte ilk simetrik bulunmama olasılığı

${}_0S_D^{\dot{I}SS,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte ilk düzgün simetrik bulunmama olasılığı

${}_0S_D^{\dot{I}SO,BS,B}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı birlikte ilk düzgün olmayan simetrik bulunmama olasılığı

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

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

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

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

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

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

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

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

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

BAĞIMLI VE BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMLİ DAĞILIMLAR

D

Bağımlı ve Bir Bağımsız Olasılıklı Farlı Dizilimli Dağılımlar

- **İlk Düzgün Olmayan Simetri**
- **Bir Bağımlı-Bir Bağımsız Durumlu İlk Düzgün Olmayan Simetri**
- **Bağımlı-Bir Bağımsız Durumlu İlk Düzgün Olmayan Simetri**

Önceki bölümlerde durum sayısı olay sayısına eşit veya büyük olan bağımlı olasılıklı dağılımların olasılıkları incelendi. Bu bölümde durum sayısı olay sayısından küçük bağımlı olasılık $(D < n)$ veya bağımlı ve bir bağımsız durumlu dağılımın olasılıkları incelenecektir. Bağımlı durum sayısı bağımlı olay sayısı eşit, bağımlı durum sayısı bağımlı olay sayısından büyük farklı dizilimli veya farklı dizilimsiz bağımlı durum sayısının bağımlı olay sayısından büyük her bir dağılımına bağımsız olasılıklı seçimle belirlenen bir bağımsız durumun dağılımıyla, bağımlı ve bir bağımsız olasılıklı dağılımlar elde edilebilir. Bu dağılımlar; bağımlı ve bir bağımsız olasılıklı farklı dizilimli veya bağımlı ve bir bağımsız olasılıklı farlı dizilimsiz dağılımlardır. Durum sayısı olay sayısından küçük olduğunda yapılacak seçimlerde $n - D$ kadar olaya durum belirlenemez. Yapılacak seçimlerde farklı dizilimli ve farklı dizilimsiz dağılımlarda durum belirlenmeyen olayların durumları sıfır (0) ile gösterilebilir. Bir olasılık dağılımında $n - D$ kadar sıfırın veya aynı bağımsız durumun olması, bağımsız olasılıklı seçimlerde, bir dağılımın birden fazla olayında aynı durumun belirlenebilmesiyle ilgilidir.

Bu bölümde, yapılacak her bir seçimde bir durumun belirlenebileceği ***bağımlı durum sayısı bağımlı olay sayısına eşit*** $(D = \boldsymbol{n}\ \boldsymbol{ve}$ "$\boldsymbol{n}$: $bağımlı\ olay\ sayısı$") seçimlerle elde edilebilecek, bağımlı ve bir bağımsız olasılıklı 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 sınıflandırılacaktır. Simetri bağımsız durumla başladığında, aynı yöntemle simetrinin başladığı bağımlı durum belirlenir.

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 farklı dizilimli dağılımlarda, bağımlı olasılıklı 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 durumuyla 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, bu 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. İki 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 sınıflandırılacaktır. 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) 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.

Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardaki, simetrik ve düzgün simetrik olasılık eşitlikleri hem olasılık dağılım tablo değerlerinden hem de teorik yöntemle çıkarılabilecektir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardaki, düzgün olmayan simetrik olasılıklar ise sadece teorik yöntemlerle çıkarılacaktır. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımların inceleneceği ciltlerde, bulunmama olasılıklarının sadece çıkarılabileceği eşitlikler verilecektir.

SİMETRİNİN İLK BAĞIMLI DURUMUYLA 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 ilk düzgün olmayan simetrik olasılık eşitlikleri de aynı şartlı ilk simetrik olasılıktan, aynı şartlı ilk düzgün simetrik olasılığın farkından teorik yöntemle elde edilebilir.

Bağımsız olasılıklı durumla başlayıp sonraki ilk bağımlı durumunda simetrinin ilk bağımlı durumu bulunan dağılımlardaki düzgün olmayan simetrik olasılığın sabit değişkenli işlem uzunluklu eşitliği, aynı şartlı ilk 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, simetrinin ilk bağımlı durumuyla başlayan dağılımlardaki düzgün olmayan simetrik olasılığın eşitliği, aynı şartlı ilk düzgün olmayan simetrik olasılık eşitliğinden, aynı şartlı bağımsız durumlarla başlayan dağılımların ilk düzgün olmayan simetrik olasılık eşitliğinin farkından teorik yöntemle elde edilebileceği gibi aynı şartlı ilk 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.

Bu ciltte bir bağımlı-bir bağımsız ve bağımlı-bir bağımsız durumlu simetrilerin, simetrinin ilk bağımlı durumuyla başlayan dağılımlardaki, ilk düzgün olmayan simetrik ve ilk düzgün olmayan simetrik bulunmama olasılığının eşitlikleri verilecektir.

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

Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde $\{1,0\}$, bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardan, simetrinin bağımlı durumuyla başlayan dağılımlardaki düzgün olmayan simetrik olasılıklar; aynı şartlı ve aynı dağılımlardaki ilk simetrik olasılıktan, aynı şartlı ve aynı dağılımlardaki ilk düzgün simetrik olasılığın farkına eşit olur. Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde, simetrinin başladığı bağımlı durumla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısı için,

$$ {}^{0}S_{D}^{\dot{I}SO} = {}^{0}S^{\dot{I}SO} - {}^{0}S_{0}^{\dot{I}SO} $$

ve eşitliğin sağındaki terimlerin, simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğindeki $\{1,0\}$, eşitleri yazıldığında,

$$ {}^{0}S_{D}^{\dot{I}SO} = \frac{n! \cdot (\boldsymbol{s}+\iota-2\cdot I-1)!}{(\boldsymbol{s}-I-1)! \cdot (\iota-I)! \cdot (\boldsymbol{s}+\iota-I-1)! \cdot (D+I-\boldsymbol{s}+1)} \cdot \left(1-\frac{(\boldsymbol{s}+\iota-I-1)}{n}\right) - \frac{(n-2)! \cdot (n-\iota)}{(\iota-1)! \cdot D} $$

veya

$$ {}^{0}S_{D}^{\dot{I}SO} = \frac{n! \cdot (\boldsymbol{s}+\iota-2\cdot I-1)!}{(\boldsymbol{s}-I-1)! \cdot (\iota-I)! \cdot (\boldsymbol{s}+\iota-I-1)! \cdot (n+I-\iota-\boldsymbol{s}+1)} \cdot \left(1-\frac{(\boldsymbol{s}+\iota-I-1)}{n}\right) - \frac{(n-2)!}{(\iota-1)!} $$

veya

$$ {}^{0}S_{D}^{\dot{I}SO} = \frac{n! \cdot (n+I-\iota-\boldsymbol{s})!}{(\iota-I)!} \cdot \left(\sum_{i=\boldsymbol{s}-I}^{n-\iota} \mp \frac{(i+\iota-I)!}{i! \cdot (i+\iota)! \cdot (n-\iota-i)!}\right) - \frac{(n-1)! \cdot (n+I-\iota-\boldsymbol{s})!}{(\iota-I-1)!} \cdot \left(\sum_{i=\boldsymbol{s}-I}^{n-\iota} \mp \frac{(i+\iota-I-1)!}{i! \cdot (i+\iota-1)! \cdot (n-\iota-i)!}\right) - \frac{(n-2)!}{(\iota-1)!} $$

veya

$$ {}^{0}S_{D}^{\dot{I}SO} = \frac{(n-1)!}{(n-D)!} - \frac{(n-2)!}{(\iota-1)!} $$

$$ {}^{0}S_{D}^{\dot{I}SO} = \frac{(n-1)!}{\iota!} - \frac{(n-2)!}{(\iota-1)!} $$

$$^{0}S_{D}^{İSO} = \frac{(n-1)!}{\imath!} \cdot (n-1-\imath)$$

$$^{0}S_{D}^{İSO} = \frac{(n-1)! \cdot (n-\imath-1)}{\imath!}$$

veya

$$^{0}S_{D}^{İSO} = (D-1)! \cdot \left(\frac{(n-2)!}{(n-D-1)! \cdot (D-1)!} + \sum_{i=2}^{D} \frac{(n-i-1)!}{(D-i)! \cdot (n-D-1)!} \right) - (D-1)! \cdot \sum_{j_s=1} \sum_{(j_i=1)} \sum_{(n_i=n)} \sum_{n_s=n_i-j_i+1} \frac{(n-2)!}{(n-D-1)! \cdot (D-1)!}$$

$$^{0}S_{D}^{İSO} = (D-1)! \cdot \sum_{i=2}^{D} \frac{(n-i-1)!}{(D-i)! \cdot (n-D-1)!}$$

eşitlikleri elde edilir. Bu eşitliklere bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlarda, simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde; simetrinin bağımlı durumuyla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılık*** denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılık $^{0}S_{D}^{İSO}$ ile gösterilecektir.

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

$$^{0}S_{D}^{İSO} = \frac{n! \cdot (\boldsymbol{s}+\imath-2 \cdot I-1)!}{(\boldsymbol{s}-I-1)! \cdot (\imath-I)! \cdot (\boldsymbol{s}+\imath-I-1)! \cdot (D+I-\boldsymbol{s}+1)} \cdot \left(1 - \frac{(\boldsymbol{s}+\imath-I-1)}{n}\right) - \frac{(n-2)! \cdot (n-\imath)}{(\imath-1)! \cdot D}$$

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

$$ {}^{0}S_{D}^{\text{iso}} = \frac{n! \cdot (\boldsymbol{s} + \imath - 2 \cdot I - 1)!}{(\boldsymbol{s} - I - 1)! \cdot (\imath - I)! \cdot (\boldsymbol{s} + \imath - I - 1)! \cdot (n + I - \imath - \boldsymbol{s} + 1)} \cdot \left(1 - \frac{(\boldsymbol{s} + \imath - I - 1)}{n}\right) - \frac{(n-2)!}{(\imath - 1)!} $$

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

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

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

$$ {}^{0}S_{D}^{\text{iso}} = \frac{(n-1)! \cdot (n - \imath - 1)}{\imath!} $$

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

$$ {}^{0}S_{D}^{\text{iso}} = (D-1)! \cdot \sum_{i=2}^{D} \frac{(n - i - 1)!}{(D - i)! \cdot (n - D - 1)!} $$

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

Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde $\{1,2,3,4,5,0\}$ veya $\{1,2,\mathbf{0},\mathbf{0},\mathbf{0},3,4,\mathbf{0},\mathbf{0},5,0\}$, bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardan, simetrinin ilk bağımlı durumuyla başlayan dağılımlardaki düzgün olmayan simetrik olasılıklar; aynı şartlı ve aynı dağılımlardaki ilk simetrik olasılıktan, aynı şartlı ve aynı dağılımlardaki ilk düzgün simetrik olasılığın farkına eşit olur. Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde, simetrinin başladığı bağımlı durumla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısı için,

$${}^{0}S_{D}^{\dot{I}SO} = {}^{0}S_{D}^{\dot{I}S} - {}^{0}S_{D}^{\dot{I}SS}$$

ve eşitliğin sağındaki terimlerin, aynı şartlı simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğindeki $\{1,2,3,4,5,0\}$ eşitleri yazıldığında,

$${}^{0}S_{D}^{\dot{I}SO} = \frac{n!\cdot(\boldsymbol{s}+\imath-2\cdot I-1)!}{(\boldsymbol{s}-I-1)!\cdot(\imath-I)!\cdot(\boldsymbol{s}+\imath-I-1)!\cdot(D+I-\boldsymbol{s}+1)}\cdot\left(1-\frac{(\boldsymbol{s}+\imath-I-1)}{n}\right)-$$

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

veya

$${}^{0}S_{D}^{\dot{I}SO} = \frac{n!\cdot(\boldsymbol{s}+\imath-2\cdot I-1)!}{(\boldsymbol{s}-I-1)!\cdot(\imath-I)!\cdot(\boldsymbol{s}+\imath-I-1)!\cdot(n+I-\imath-\boldsymbol{s}+1)}\cdot$$

$$\left(1-\frac{(\boldsymbol{s}+\imath-I-1)}{n}\right)-\frac{(n-\boldsymbol{s})!}{(\imath-1)!}$$

veya

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

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

ayrıca simetrinin bağımlı durumları arasında bağımsız durum bulunmadan bir bağımsız durumla bittiğinde $\{1,2,3,4,5,0\}$ ise,

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)!\cdot\left(\sum_{j=s}\sum_{(n_i=n)}\sum_{n_s=n-j+1}\right.$$

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

$$\left(\frac{(n_s-1)!}{(n_s+j-D-1)!\cdot(D-j)!}-\frac{(n_s-\boldsymbol{I}-1)!}{(n_s+j-D-\boldsymbol{I}-1)!\cdot(D-j)!}\right)+$$

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

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

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

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

veya

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

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

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

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

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

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

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

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

veya simetri bağımlı durumla başlayıp, bağımsız durumlar bulunup, son bağımlı durumdan sonra bir bağımsız durumla bittiğinde $\{1, 2, \mathbf{0}, \mathbf{0}, \mathbf{0}, 3, 4, \mathbf{0}, \mathbf{0}, 5, 0\}$,

$$ {}^{0}S_D^{İSO} = \prod_{z=3}^{s} \sum_{((j_i)_1=2)}^{((j_{ik})_3-1)} \sum_{(j_{ik})_{z-1}=z-1}^{(j_i)_{z-1}-1} \sum_{((j_i)_{z-1}=z \vee z=s\Rightarrow s)}^{((j_{ik})_{z+1}-1\vee \boldsymbol{n})} $$

$$ \sum_{n_i=n} \sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=2}\Bbbk_i-(j_i)_1 \vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=2}^{s-1}\Bbbk_i-(j_i)_1+2\right)}^{\left(n-(j_i)_1-\sum_{i=1}\Bbbk_i+1\right)} $$

$$ \sum_{(n_{ik})_{z-1}=(n_s)_{z-1}+(j_i)_{z-1}+\sum_{i=z-1}\Bbbk_i-(j_{ik})_{z-1}\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z-1}^{s-1}\Bbbk_i-(j_{ik})_{z-1}+2}^{(n_{ik})_{z-2}+(j_{ik})_{z-2}-(j_{ik})_{z-1}-\sum_{i=z-2}\Bbbk_i} $$

$$ \sum_{\left((n_s)_{z-1}=(n_s)_z+(j_i)_z+\sum_{i=z}\Bbbk_i-(j_i)_{z-1}\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z}^{s-1}\Bbbk_i-(j_i)_{z-1}+2\right)}^{\left((n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_i)_{z-1}-\sum_{i=z-1}\Bbbk_i-1\right)} $$

$$ \frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}\right)!}{\left(D-s-(j_i)_{z-1}+(j_{ik})_{z-1}-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot $$

$$ \frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot $$

$$ \frac{((n_{ik})_{z-1}-(n_s)_{z-1}-1)!}{((j_i)_{z-1}-(j_{ik})_{z-1}-1)!\cdot((n_{ik})_{z-1}+(j_{ik})_{z-1}-(n_s)_{z-1}-(j_i)_{z-1})!}\cdot $$

$$ \frac{((n_s)_{z=s}-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!} $$

veya

$$ {}^{0}S_D^{İSO} = \prod_{z=3}^{s} \sum_{((j_i)_1=2)}^{((j_{ik})_3-1)} \sum_{(j_{ik})_{z-1}=z-1}^{(j_i)_{z-1}-1} \sum_{((j_i)_{z-1}=z \vee z=s\Rightarrow s)}^{((j_{ik})_{z+1}-1\vee \boldsymbol{n})} $$

$$ \sum_{n_i=n} \sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=2}\Bbbk_i-(j_i)_1 \vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=2}^{s-1}\Bbbk_i-(j_i)_1+2\right)}^{\left(n-(j_i)_1-\sum_{i=1}\Bbbk_i+1\right)} $$

$$ \sum_{(n_{ik})_{z-1}=(n_s)_{z-1}+(j_i)_{z-1}+\sum_{i=z-1}\Bbbk_i-(j_{ik})_{z-1}\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z-1}^{s-1}\Bbbk_i-(j_{ik})_{z-1}+2}^{(n_{ik})_{z-2}+(j_{ik})_{z-2}-(j_{ik})_{z-1}-\sum_{i=z-2}\Bbbk_i} $$

$$\sum_{\left((n_s)_{z-1}=(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_i)_{z-1}-\sum_{i=z-1}\Bbbk_i\right)}^{(\ )}\ \sum_{i=2}^{\boldsymbol{n}-(j_i)_{z=s}+1}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}\right)!}{\left(D-s-(j_i)_{z-1}+(j_{ik})_{z-1}-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_{z-1}-(n_s)_{z-1}-1)!}{((j_i)_{z-1}-(j_{ik})_{z-1}-1)!\cdot((n_{ik})_{z-1}+(j_{ik})_{z-1}-(n_s)_{z-1}-(j_i)_{z-1})!}\cdot$$

$$\frac{((n_s)_{z=s}-i-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s}-i+1)!}+$$

$$\prod_{z=3}^{s}\ \sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\ \sum_{(j_{ik})_{z-1}=z-1}^{(j_i)_{z-1}-1}\ \sum_{((j_i)_{z-1}=z\vee z=s\Rightarrow s)}^{((j_{ik})_{z+1}-1\vee\boldsymbol{n})}$$

$$\sum_{n_i=n}\ \sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=2}\Bbbk_i-(j_i)_1\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=2}^{s-1}\Bbbk_i-(j_i)_1+2\right)}^{\left(n-(j_i)_1-\sum_{i=1}\Bbbk_i+1\right)}$$

$$\sum_{(n_{ik})_{z-1}=(n_s)_{z-1}+(j_i)_{z-1}+\sum_{i=z-1}\Bbbk_i-(j_{ik})_{z-1}\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z-1}^{s-1}\Bbbk_i-(j_{ik})_{z-1}+2}^{(n_{ik})_{z-2}+(j_{ik})_{z-2}-(j_{ik})_{z-1}-\sum_{i=z-2}\Bbbk_i}$$

$$\sum_{\left((n_s)_{z-1}=(n_s)_z+(j_i)_z+\sum_{i=z}\Bbbk_i-(j_i)_{z-1}\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z}^{s-1}\Bbbk_i-(j_i)_{z-1}+2\right)}^{\left((n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_i)_{z-1}-\sum_{i=z-1}\Bbbk_i-1\right)}\ \sum_{i=2}^{\boldsymbol{n}-(j_i)_{z=s}+1}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}\right)!}{\left(D-s-(j_i)_{z-1}+(j_{ik})_{z-1}-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}+1\right)!}\cdot\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_{z-1}-(n_s)_{z-1}-1)!}{((j_i)_{z-1}-(j_{ik})_{z-1}-1)!\cdot((n_{ik})_{z-1}+(j_{ik})_{z-1}-(n_s)_{z-1}-(j_i)_{z-1})!}\cdot$$

$$\left(\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}+\right.$$

$$\left.\frac{((n_s)_{z=s}-i-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s}-i+1)!}\right)$$

$j = D = \boldsymbol{n}$ <u>*olduğunda i'li terimler hesaplamaya dahil edilmez!*</u>

eşitlikleri elde edilir. Bu eşitliklere bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlarda, simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde; simetrinin ilk bağımlı durumuyla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunduğu dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılık*** denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılık ${}^{0}S_{D}^{İSO}$ ile gösterilecektir.

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

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

$$ {}^{0}S_{D}^{İSO} = \frac{n!\cdot(\boldsymbol{s}+\iota-2\cdot I-1)!}{(\boldsymbol{s}-I-1)!\cdot(\iota-I)!\cdot(\boldsymbol{s}+\iota-I-1)!\cdot(D+I-\boldsymbol{s}+1)}\cdot \left(1-\frac{(\boldsymbol{s}+\iota-I-1)}{n}\right)-\frac{(n-\boldsymbol{s})!}{(\iota-I)!}$$

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

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

$$ {}^{0}S_{D}^{İSO} = \frac{n!\cdot(s+\iota-I-1)!}{(s-1)!\cdot(\iota-I)!\cdot(s+\iota-1)!\cdot(D-s+1)}\cdot\left(1-\frac{(s+\iota-1)}{n}\right)-\frac{(n-s-I)!}{(\iota-I)!}$$

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

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

$$ {}^{0}S_{D}^{İSO} = \frac{n!\cdot(\boldsymbol{s}+\iota-2\cdot I-1)!}{(\boldsymbol{s}-I-1)!\cdot(\iota-I)!\cdot(\boldsymbol{s}+\iota-I-1)!\cdot(n+I-\iota-\boldsymbol{s}+1)}\cdot \left(1-\frac{(\boldsymbol{s}+\iota-I-1)}{n}\right)-\frac{(n-\boldsymbol{s})!}{(\iota-I)!}$$

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

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

$$ {}^{0}S_D^{\text{İSO}} = \frac{n!\cdot(s+\iota-I-1)!}{(s-1)!\cdot(\iota-I)!\cdot(s+\iota-1)!\cdot(n-\iota-s+1)}\cdot \left(1-\frac{(s+\iota-1)}{n}\right)-\frac{(n-s-I)!}{(\iota-I)!} $$

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

$\boldsymbol{s}=s+\Bbbk+1\Rightarrow$

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

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

$\boldsymbol{s}=s+\Bbbk+1\Rightarrow$

$$ {}^{0}S_D^{\text{İSO}} = \frac{n!\cdot(n-\iota-s)!}{(\iota-I)!}\cdot\left(\sum_{i=s}^{n-\iota}\mp\frac{(i+\iota-I)!}{i!\cdot(i+\iota)!\cdot(n-\iota-i)!}\right)- \frac{(n-1)!\cdot(n-\iota-s)!}{(\iota-I-1)!}\cdot\left(\sum_{i=s}^{n-\iota}\mp\frac{(i+\iota-I-1)!}{i!\cdot(i+\iota-1)!\cdot(n-\iota-i)!}\right)-\frac{(n-s-I)!}{(\iota-I)!} $$

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

$$ {}^{0}S_D^{\text{İSO}} = (D-s)!\cdot\left(\sum_{j=s}\sum_{(n_i=n)}\sum_{n_s=n-j+1}\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot\left(\frac{(n_s-1)!}{(n_s+j-D-1)!\cdot(D-j)!}-\frac{(n_s-\boldsymbol{I}-1)!}{(n_s+j-D-\boldsymbol{I}-1)!\cdot(D-j)!}\right)+\sum_{j=s}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j}\frac{(n-n_s-1)!}{(j-2)!\cdot(n-n_s-j+1)!}\cdot\frac{(n_s-1)!}{(n_s+j-D-1)!\cdot(D-j)!}+\right. $$

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

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

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\Bigg(\sum_{j=s}\sum_{(n_i=n)}\sum_{n_s=n-j+1}\sum_{i=2}^{D-j+1}\frac{(n_s-i-1)!}{(n_s+j-D-2)!\cdot(D-j-i+1)!}+$$

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

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

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

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

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

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

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

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

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

$D=\boldsymbol{n}<n\land s>1\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\land\Bbbk=0\Rightarrow$

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

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

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

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

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

$D=\boldsymbol{n}<n\land s>1\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\land\Bbbk=0\land s=2\Rightarrow$

$${}^{0}S_D^{İSO}=(D-2)!\cdot\Bigg(\sum_{j=2}\sum_{(n_i=n)}\sum_{n_s=n-j+1}$$

$$\left(\frac{(n_s-1)!}{(n_s+j-D-1)!\cdot(D-j)!}-\frac{(n_s-\boldsymbol{I}-1)!}{(n_s+j-D-\boldsymbol{I}-1)!\cdot(D-j)!}\right)+$$

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

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

$$\sum_{j=3}^{D}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j+1}$$

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

$D=\boldsymbol{n}<n\wedge s>1\wedge\boldsymbol{I}=1\wedge I=\Bbbk+\boldsymbol{I}=\Bbbk+1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk>0\wedge s=2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-2)!\cdot\left(\sum_{j=2}\sum_{(n_i=n)}\sum_{n_s=n-j-\Bbbk+1}\right.$$

$$\left(\frac{(n_s-1)!}{(n_s+j-D-1)!\cdot(D-j)!}-\frac{(n_s-\boldsymbol{I}-1)!}{(n_s+j-D-\boldsymbol{I}-1)!\cdot(D-j)!}\right)+$$

$$\sum_{j=2}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j-\Bbbk}$$

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

$$\sum_{j=3}^{D}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j-\Bbbk+1}$$

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

$D=\boldsymbol{n}<n\wedge s>1\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge\Bbbk=0\wedge s=2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-2)!\cdot\left(\sum_{j=2}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j}\sum_{i=2}^{D-j+1}\right.$$

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

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

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

$$\sum_{j=3}^{D}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j+1}\sum_{i=2}^{D-j+1}$$

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

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

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

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k} > 0 \wedge s = 2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-2)!\cdot\Bigg(\sum_{j=2}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j-\mathbb{k}}\sum_{i=2}^{D-j+1}$$

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

$$\sum_{j=2}\sum_{(n_i=n)}\sum_{n_s=n-j-\mathbb{k}+1}\sum_{i=2}^{D-j+1}$$

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

$$\sum_{j=3}^{D}\sum_{(n_i=n)}\sum_{n_s=D-j+2}^{n-j-\mathbb{k}+1}\sum_{i=2}^{D-j+1}$$

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

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

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

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

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

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

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

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

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

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

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

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

$$
\frac{(n-s-\mathbb{k}-1)!}{(n-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}
$$

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

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

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

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

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

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

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

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

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

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j^{sa}=j_{sa})}\ \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{sa}=n-j^{sa}-\Bbbk+1}$$

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

$D=\boldsymbol{n}<n\wedge s>1\wedge I=\Bbbk+1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge j_{sa}=s\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j^{sa}=s}^{\boldsymbol{n}}\ \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-s)}\ \sum_{(n_i=n)}^{(\ )}\ \sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n-j^{sa}-\Bbbk+1}\ \sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n-s-\mathbb{k}-1)!}{(n-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

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

$D=\boldsymbol{n}<n$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$(D-s)!\cdot\sum_{j^{sa}=j_{sa}}\ \sum_{(j_{ik}=j^{sa}-1)}\ \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{sa}=n-j^{sa}-\Bbbk+1}$$

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

$$D=\boldsymbol{n}<n\wedge I=\Bbbk+1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$$

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

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

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

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

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

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

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

$$(D-s)!\cdot\sum_{j^{sa}=j_{sa}}\ \sum_{(j_{ik}=j^{sa}-1)}\ \sum_{(n_i=n)}^{(\ )}\ \sum_{n_{sa}=n-j^{sa}-\Bbbk+1}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n-s-\mathbb{k}-1)!}{(n-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \land s > 1 \land I = \mathbb{k}+1 \land \boldsymbol{s} = s+\mathbb{k}+1 \land \mathbb{k}_z\colon z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

$D = \boldsymbol{n} < n \wedge I = \Bbbk + 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

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

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

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

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

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

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

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

$$ (D-s)!\cdot\sum_{j^{sa}=j_{sa}}\sum_{(n_i=n)}^{(\ )}\sum_{n_{sa}=n-j^{sa}-\Bbbk+1} $$

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

$D = \boldsymbol{n} < n \wedge I = \Bbbk + 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$(D-s)!\cdot\sum_{j^{sa}=j_{sa}}\;\sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}\;\sum_{n_i=n}\;\sum_{(n_{ik}=n-j_{ik}+1)}^{(\;)}\;\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

$D = \boldsymbol{n} < n \wedge s > 1 \wedge I = \Bbbk + 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)!\cdot\sum_{j^{sa}=j_{sa}}^{\boldsymbol{n}+j_{sa}-s}\;\sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}\;\sum_{n_i=n}\;\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n-j_{ik}+1)}\;\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

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

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

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

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

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

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

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

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

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

$${}^{0}S_{D}^{\dot{\mathrm{I}}SO}=(D-s)!\cdot\sum_{j^{sa}=j_{sa}}^{\boldsymbol{n}+j_{sa}-s}\ \sum_{\left(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}\right)}\ \sum_{n_i=n}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n-j_{ik}+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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

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

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

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

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

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

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

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

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

$$\frac{(n_{ik}+j_{ik}-s-\mathbb{k}-2)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-2)!\cdot(\boldsymbol{n}-s)!}$$

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

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

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

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

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

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

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

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

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

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

$$\frac{(n-s-\mathbb{k}-1)!}{(n-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

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

$$
{}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j^{sa}=j_{sa}}^{\boldsymbol{n}+j_{sa}-s}\;\sum_{(j_{ik}=j^{sa}-1)}\;\sum_{n_i=n}\;\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n-j_{ik}+1)}\;\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}
$$

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

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

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

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

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

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

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

$$
(D-s)!\cdot\sum_{j^{sa}=j_{sa}}\;\sum_{(j_{ik}=j^{sa}-1)}\;\sum_{n_i=n}\;\sum_{(n_{ik}=n-j_{ik}+1)}^{(\;)}\;\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}
$$

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

$D=\boldsymbol{n}<n\wedge I=\Bbbk+1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

$$
{}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j^{sa}=j_{sa}}^{\boldsymbol{n}+j_{sa}-s}\;\sum_{(j_{ik}=j^{sa}-1)}\;\sum_{n_i=n}\;\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n-j_{ik}+1)}\;\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}
$$

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

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

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

$$D = \boldsymbol{n} < n$$

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

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

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

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

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

$$\frac{(n_{ik}+j_{ik}-s-\mathbb{k}-2)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-2)! \cdot (\boldsymbol{n}-s)!}$$

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

$${}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot$$

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

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

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

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

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

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

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

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

$$(D-s)!\cdot\sum_{j^{sa}=s}\sum_{(j_{ik}=j^{sa}+j^{ik}_{sa}-j_{sa})}\sum_{n_i=n}\sum_{(n_{ik}=n-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j^{sa}-\Bbbk}\sum_{(i=)}^{(\ )}$$

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

$D=\boldsymbol{n}<n\wedge s>1\wedge I=\Bbbk+1\wedge \boldsymbol{s}=s+\Bbbk+1\wedge$

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

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j^{sa}=s}^{\boldsymbol{n}}\sum_{(j_{ik}=j^{sa}-1)}\sum_{n_i=n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j^{sa}+1)}$$

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

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

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

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

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

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

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

$$(D-s)!\cdot\sum_{j^{sa}=j_{sa}}\sum_{(j_{ik}=j^{sa}-1)}\sum_{n_i=n}\sum_{(n_{ik}=n-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j^{sa}-\Bbbk}\sum_{(i=)}^{(\ )}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\left(\frac{(n_i - s - \Bbbk - 1)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)! \cdot (\boldsymbol{n} - s)!}\right)_{j^{sa}}$$

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

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\colon z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)! \cdot (\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

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

$I = \Bbbk+1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\Bbbk+1 \wedge \Bbbk_z\!: z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk} $$

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

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

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

$$
{}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}
$$

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

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

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

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

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

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

$$
(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}
$$

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

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

$I=\Bbbk+1 \wedge s>1 \wedge \Bbbk>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\Bbbk+1 \wedge \Bbbk_z\!: z=1 \wedge j_{ik}=j^{sa}-1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j^{sa} - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land j_{ik} = j^{sa} - 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}
$$

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

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

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

$$
{}^{0}S_D^{\dot{\mathrm{I}}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}
$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}
$$

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

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

$I=\Bbbk+1 \wedge s>1 \wedge \Bbbk>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\Bbbk+1 \wedge \Bbbk_z\!: z=1 \wedge j_{ik}=j^{sa}-1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

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

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

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

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

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

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

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

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

$$
(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}
$$

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

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk} $$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk} \frac{\left(n_{ik}+j_{sa}^{ik}-s-\Bbbk-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

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

$I=\Bbbk+1 \wedge s>1 \wedge \Bbbk>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\Bbbk+1 \wedge \Bbbk_z\!: z=1 \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^{s}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}-s-j^{sa})!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(2 \cdot n_i - n_{sa} - j_s - j^{sa} - s - 2 \cdot \mathbb{k} + 1)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} + 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} + j_{sa}^{ik} - j_{ik} - j_{sa})!}{(\boldsymbol{n} + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-j_{ik}-j^{sa}-s-2\cdot\Bbbk+2)!}{(3\cdot n_i-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

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$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\mathbf{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\mathbf{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\mathbf{n}-j^{sa})!}{(\mathbf{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(2\cdot n_i+j_s-n_{sa}-j^{sa}-s-2\cdot\Bbbk-1)!}{(2\cdot n_i+2\cdot j_s-n_{sa}-j^{sa}-\mathbf{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\mathbf{n}-s)!}$$

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$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\mathbf{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\mathbf{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\mathbf{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\mathbf{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

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$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(2 \cdot n_{ik} + 2 \cdot j_{ik} - n_{sa} - j_s - j^{sa} - s - 2 \cdot \mathbb{k} - 1)!}{(2 \cdot n_{ik} + 2 \cdot j_{ik} - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-j_{sa})!}{(\boldsymbol{n}+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i + n_{ik} + j_{ik} - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k} - 1)!}{(n_i + n_{ik} + j_s + j_{ik} - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(n_{sa}+j_{ik}-j_s-s)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\land\Bbbk=0\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\land j_{ik}=j^{sa}-1\lor$

$I=\Bbbk+1\land s>1\land\Bbbk>0\land\boldsymbol{I}=1\land\boldsymbol{s}=s+\Bbbk+1\land\Bbbk_z\!:z=1\land j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^{s}-1)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-s-j_{ik}-1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(2\cdot n_i-n_{sa}-j_s-j_{ik}-s-2\cdot\mathbb{k})!}{(2\cdot n_i-n_{sa}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-2\cdot j^{sa}-s-2\cdot\Bbbk+3)!}{(3\cdot n_i-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}+3)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

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$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_{sa} - j_s - 2 \cdot j_{ik} - s - 2 \cdot \Bbbk + 1)!}{(3 \cdot n_i - n_{ik} - n_{sa} - 2 \cdot j_{ik} - \boldsymbol{n} - 2 \cdot \Bbbk - j_{sa}^{s} + 1)! \cdot (\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j^{sa} - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(2\cdot n_i+j_s-n_{sa}-j_{ik}-s-2\cdot\Bbbk-2)!}{(2\cdot n_i+2\cdot j_s-n_{sa}-j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-s-2\cdot\Bbbk)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}$$

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$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-s-2\cdot\Bbbk-2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(2 \cdot n_{ik}+j_{ik}-n_{sa}-j_s-s-2 \cdot \Bbbk-2)!}{(2 \cdot n_{ik}+j_{ik}-n_{sa}-\boldsymbol{n}-2 \cdot \Bbbk-j_{sa}^{s}-2)! \cdot (\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \Bbbk+1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\Bbbk+1 \wedge \Bbbk_z\!: z = 1 \wedge j_{ik} = j^{sa}-1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j_{ik}-1)!}{(\boldsymbol{n}+j_{sa}-j_{ik}-s-1)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk}$$

$$\frac{(n_i+n_{ik}-n_{sa}-s-2\cdot\Bbbk-2)!}{(n_i+n_{ik}+j_s-n_{sa}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\ )} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \mathbb{k}_1 + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 2}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(\boldsymbol{n} + j_{sa}^{ik} - s)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \mathbb{k}_1 + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 2}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$(D - s)! \cdot \sum_{j_s = 1} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\dot{\imath}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\left(\frac{(n_i-s-\Bbbk_1-\Bbbk_2-1)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{İso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ \ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ \ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ \ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 1 \land \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{\text{İ}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{\left(n_i + 2 \cdot j_s + j_{sa} + j_{sa}^{ik} - j_{ik} - j^{sa} - s - \Bbbk - 2 \cdot j_{sa}^{s} - 1\right)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)! \cdot \left(\boldsymbol{n} + 2 \cdot j_s + j_{sa} + j_{sa}^{ik} - j_{ik} - j^{sa} - s - 2 \cdot j_{sa}^{s}\right)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_{D}^{\text{İSO}} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \Bbbk_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \Bbbk_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-\Bbbk_1-\Bbbk_2-2\cdot j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-j_{ik}-j^{sa}-s-2\cdot j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$
{}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot
\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+\right.
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i + j^{sa} + j_{sa}^{s} - j_s - j_{sa} - s - \Bbbk_1 - \Bbbk_2 - 1)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2 - 1)! \cdot (\boldsymbol{n} + j^{sa} + j_{sa}^{s} - j_s - j_{sa} - s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \Bbbk_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \Bbbk_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s-\mathbb{k}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{\left(n_i+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s-\Bbbk_1-\Bbbk_2-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-2\cdot j_{sa}-s\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\left.\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_{D}^{\text{İ}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot $$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left.\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\right) -$$

$$(D - s)! \cdot \sum_{j_s = 1} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{sa})}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = n_i - j_{ik} - \mathbb{k}_1 + 1)}^{(\ )} \sum_{n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - j_{sa}^{ik} - s - \mathbb{k}_1 - \mathbb{k}_2 - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - j_{sa}^{ik} - s\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\ )} \sum_{j^{sa} = j_{sa}}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \mathbb{k}_1 + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 2}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\ )} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s-\mathbb{k}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$$ {}^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} $$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}+j_{sa}-j_s-j^{sa}-2\cdot j_{sa}^{ik}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa} - j^{sa} - s - \mathbb{k} - j_{sa}^{ik} - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k} - 1)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa} - j^{sa} - s - j_{sa}^{ik}\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{\left(j_{ik} - j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik} - 2\right)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{\left(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa}\right)! \cdot \left(j_{sa} - j_{sa}^{ik} - 1\right)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}-j^{sa}-s-j_{sa}^{ik}\right)!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 1 \land \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{\text{İSO}} = (D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i + j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa} - s - \mathbb{k} - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k} - 1)! \cdot \left(\boldsymbol{n} + j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa} - s\right)!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 1 \land \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\dot{\mathrm{I}}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{\left(j_{ik} - j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik} - 2\right)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{\left(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa}\right)! \cdot \left(j_{sa} - j_{sa}^{ik} - 1\right)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}-s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}-s\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$$ {}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \right) - $$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j^{sa}}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!: z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk - 1)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_i+j_s+j_{sa}-j_{ik}-s-\Bbbk-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}-j_{ik}-s-j_{sa}^{s}-1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left.\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\right) -$$

$$(D - s)! \cdot \sum_{j_s = 1} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j^{sa} = j_{ik} + 1)}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_{sa} = n_{ik} + j_{ik} - j^{sa} - \Bbbk_2}$$

$$\frac{(n_i + j_s + j_{sa} - j_{ik} - s - \Bbbk_1 - \Bbbk_2 - j_{sa}^{s} - 2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2 - 1)! \cdot (\boldsymbol{n} + j_s + j_{sa} - j_{ik} - s - j_{sa}^{s} - 1)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_{D}^{İso} = (D - s)! \cdot \sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\ )} \sum_{j^{sa} = j_{sa}}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 2}^{n_{ik} - \Bbbk_2 - 1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\ )} \sum_{j^{sa} = j_{ik} + 2}^{\boldsymbol{n} + j_{sa} - s}\right.$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 2}^{n_{ik} + j_{ik} - j^{sa} - \Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{\left(j_{ik}=j_{sa}^{ik}+1\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-2\cdot j^{sa}-s-\mathbb{k}-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-2\cdot j^{sa}-s-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}+j_{sa}^{ik}-2\cdot j^{sa}-s-\Bbbk_1-\Bbbk_2-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}+j_{sa}^{ik}-2\cdot j^{sa}-s-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}-s+1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - j_{sa} - s - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - j_{sa} - s + 1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2\cdot j_{sa}-s-\mathbb{k})!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2\cdot j_{sa}-s+1)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2 \cdot j_{sa}-s-\mathbb{k}_1-\mathbb{k}_2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)! \cdot (\boldsymbol{n}+j^{sa}+j_{sa}^{s}+j_{sa}^{ik}-j_s-2 \cdot j_{sa}-s+1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j^{sa}-1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j^{sa}-s-\mathbb{k}-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j^{sa}-s-j_{sa}^{s}+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j^{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j^{sa}-s-j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\!: z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$$

$${}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$(D-s)! \cdot \Bigg(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j^{sa}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-1\right)!}$$

$D=\boldsymbol{n}<n\land\mathbb{k}=0\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\land j_{ik}=j^{sa}-1\lor$

$I=\mathbb{k}+1\land s>1\land\mathbb{k}>0\land\boldsymbol{I}=1\land\boldsymbol{s}=s+\mathbb{k}+1\land$

$\mathbb{k}_z\!:z=2\land\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\land j_{ik}=j^{sa}-1\lor$

$I=\mathbb{k}+1\land s>1\land\mathbb{k}_2>0\land\mathbb{k}_1=0\land\boldsymbol{I}=1\land$

$\boldsymbol{s}=s+\mathbb{k}+1\land\mathbb{k}_z\!:z=1\land\mathbb{k}=\mathbb{k}_2\land j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-\Bbbk_1-\Bbbk_2-2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}+j_{sa}-j_s-2\cdot j_{sa}^{ik}-s-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

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$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)!\cdot(n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_{sa}-s-\mathbb{k}-j_{sa}^{ik}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{sa}-s-j_{sa}^{ik}-1)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\!: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\!: z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}-s-j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-j_{sa}-s-\mathbb{k}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-j_{sa}-s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$ {}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1} \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + \right. $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-j_{sa}-s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-j_{sa}-s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{\left(j_{ik} - j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik} - 2\right)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{\left(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa}\right)! \cdot \left(j_{sa} - j_{sa}^{ik} - 1\right)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left.\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i + j_s - s - \mathbb{k} - j_{sa}^{s} - 1)!}{(n_i + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}
$$

$$
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n \wedge \Bbbk=0 \wedge I=\boldsymbol{I}=1 \wedge \boldsymbol{s}=s+1 \wedge j_{ik}=j^{sa}-1 \vee$

$I=\Bbbk+1 \wedge s>1 \wedge \Bbbk>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\Bbbk+1 \wedge$

$\Bbbk_z\!: z=2 \wedge \Bbbk=\Bbbk_1+\Bbbk_2 \wedge j_{ik}=j^{sa}-1 \vee$

$I=\Bbbk+1 \wedge s>1 \wedge \Bbbk_2>0 \wedge \Bbbk_1=0 \wedge \boldsymbol{I}=1 \wedge$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$$

$$^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}_2-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{ik}+\mathbb{k}_1-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\Bbbk_2-j_{sa}^{s}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\Bbbk_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}so} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_{ik}-s-2\cdot\mathbb{k}_1-\mathbb{k}_2+1)!}{(2\cdot n_i-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_s-j_{ik}-s-2\cdot\mathbb{k}+1)!}{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{ik} + j^{sa} - j_s - s - \mathbb{k}_2 - 2)!}{(n_{ik} + j^{sa} - \boldsymbol{n} - \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\,)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\,)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\,)}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j^{sa}+\mathbb{k}_1-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j^{sa}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\,)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\,)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_{ik}+j^{sa}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}+j_{sa}^{ik}-s-j^{sa}+1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j^{sa}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j^{sa}+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j^{sa}-s-2\cdot\mathbb{k}_1-\mathbb{k}_2+2)!}{(2\cdot n_i-n_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$ {}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_s-j^{sa}-s-2\cdot\mathbb{k}+2)!}{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{sa}+j^{sa}-j_s-s-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\land\mathbb{k}=0\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\lor$

$I=\mathbb{k}+1\land s>1\land\mathbb{k}>0\land\boldsymbol{I}=1\land\boldsymbol{s}=s+\mathbb{k}+1\land\mathbb{k}_z{:}\,z=2\land\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\lor$

$I=\mathbb{k}+1\land s>1\land\mathbb{k}_2>0\land\mathbb{k}_1=0\land\boldsymbol{I}=1\land\boldsymbol{s}=s+\mathbb{k}+1\land\mathbb{k}_z{:}\,z=1\land\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}
$$

$$
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot
$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^{s}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}-s-j^{sa})!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_{sa}-j_s-j^{sa}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2+1)!}{(2\cdot n_i-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$$

$$
\begin{aligned}
{}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j^{sa}=j_{sa}}\\
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\\
\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot\\
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\\
\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+\\
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.\\
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\\
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot\\
\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot\\
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\\
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+\\
\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\\
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}
\end{aligned}
$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(2\cdot n_i-n_{sa}-j_s-j^{sa}-s-2\cdot\Bbbk+1)!}{(2\cdot n_i-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\text{İSO}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\Bbbk_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\Bbbk_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-j_{ik}-j^{sa}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2+2)!}{(3\cdot n_i-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-j_{ik}-j^{sa}-s-2\cdot\mathbb{k}-\mathbb{k}_1+2)!}{(3\cdot n_i-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2 \cdot n_i + j_s - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 1)!}{(2 \cdot n_i + 2 \cdot j_s - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j^{sa} - j_{ik} - 1)!}{(j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})! \cdot (j_{sa} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_i+2\cdot j_s-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}+1\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{\left(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa}\right)!\cdot\left(j_{sa}-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-s-2\cdot\mathbb{k}-\mathbb{k}_1-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-j_{ik}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot $$

$$\frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\Bigg) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2 \cdot n_{ik} + 2 \cdot j_{ik} - n_{sa} - j_s - j^{sa} - s - 2 \cdot \mathbb{k}_2 - 1)!}{(2 \cdot n_{ik} + 2 \cdot j_{ik} - n_{sa} - j^{sa} - \boldsymbol{n} - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k}_2 - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}_2)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \Bigg(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{()}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\Bbbk_1-n_{sa}-j_s-j^{sa}-s-2\cdot\Bbbk-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\Bbbk_1-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge \mathbb{k}>0\wedge \boldsymbol{I}=1\wedge \boldsymbol{s}=s+\mathbb{k}+1\wedge \mathbb{k}_z\colon z=2\wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge \mathbb{k}_2>0\wedge \mathbb{k}_1=0\wedge \boldsymbol{I}=1\wedge \boldsymbol{s}=s+\mathbb{k}+1\wedge \mathbb{k}_z\colon z=1\wedge \mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{\mathrm{I}}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!\cdot(j_{sa}-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+j_{ik}-n_{sa}-j^{sa}-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-1)!}{(n_i+n_{ik}+j_s+j_{ik}-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}_2-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}_2)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j^{sa}-j_{ik}-1)!}{(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})! \cdot (j_{sa}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{sa})}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+j_{ik}+\Bbbk_1-n_{sa}-j^{sa}-s-2\cdot\Bbbk-1)!}{(n_i+n_{ik}+j_s+j_{ik}+\Bbbk_1-n_{sa}-j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z{:}\,z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(n_{sa}+j_{ik}-j_s-s)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j^{sa} - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \land j_{ik} = j^{sa} - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land \Bbbk = \Bbbk_2 \land j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}so} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^{s}-1)!}{(n_{sa}+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-s-j_{ik}-1)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \land j_{ik} = j^{sa} - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land \Bbbk = \Bbbk_2 \land j_{ik} = j^{sa} - 1 \Rightarrow$

$$ {}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1} \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!} \cdot \frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} + \right. $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!} \cdot $$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left.\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!}\right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(2 \cdot n_i - n_{sa} - j_s - j_{ik} - s - 2 \cdot \Bbbk_1 - 2 \cdot \Bbbk_2)!}{(2 \cdot n_i - n_{sa} - j_{ik} - \boldsymbol{n} - 2 \cdot \Bbbk_1 - 2 \cdot \Bbbk_2 - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_{sa}-j_s-j_{ik}-s-2\cdot\mathbb{k})!}{(2\cdot n_i-n_{sa}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$$ {}^{0}S_D^{\text{İ}SO} = (D-s)!\cdot \sum_{j_s=1} \sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ \ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\ \ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot $$

$$ \frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+ $$

$$ (D-s)!\cdot\left(\sum_{j_s=1} \sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ \ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right. $$

$$ \sum_{(n_i=n)}^{(\ \ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} $$

$$ \frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+ $$

$$ \sum_{j_s=1} \sum_{\left(j_{ik}=j_{sa}^{ik}+1\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\ \ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2} $$

$$ \frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot $$

$$ \left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)- $$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_{sa} - j_s - 2 \cdot j^{sa} - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 + 3)!}{(3 \cdot n_i - n_{ik} - n_{sa} - 2 \cdot j^{sa} - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} + 3)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-2\cdot j_{ik}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2+1)!}{(3\cdot n_i-n_{ik}-n_{sa}-2\cdot j_{ik}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-2\cdot j^{sa}-s-2\cdot \Bbbk-\Bbbk_1+3)!}{(3\cdot n_i-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-2\cdot \Bbbk-\Bbbk_1-j_{sa}^{s}+3)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge \Bbbk=0\wedge I=\boldsymbol{I}=1\wedge \boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge \Bbbk>0\wedge \boldsymbol{I}=1\wedge \boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge \Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge \Bbbk_2>0\wedge \Bbbk_1=0\wedge \boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge \Bbbk_z\colon z=1\wedge \Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{İso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_{sa}-j_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1+1)!}{(3\cdot n_i-n_{ik}-n_{sa}-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_{sa}-j_{ik}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_i+2\cdot j_s-n_{sa}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik}=j^{sa}-1 \vee$

$I=\mathbb{k}+1 \wedge s>1 \wedge \mathbb{k}_2>0 \wedge \mathbb{k}_1=0 \wedge \boldsymbol{I}=1 \wedge$

$\boldsymbol{s}=s+\mathbb{k}+1 \wedge \mathbb{k}_z\colon z=1 \wedge \mathbb{k}=\mathbb{k}_2 \wedge j_{ik}=j^{sa}-1 \Rightarrow$

$$ {}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2 \cdot n_i + j_s - n_{sa} - j_{ik} - s - 2 \cdot \mathbb{k} - 2)!}{(2 \cdot n_i + 2 \cdot j_s - n_{sa} - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_{D}^{İso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ \ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ \ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ \ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$ {}^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1} $$

$$ \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \left. \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \right) - $$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i + 2 \cdot j_s - n_{ik} - n_{sa} - 2 \cdot j_{ik} - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 2)!}{(3 \cdot n_i + 3 \cdot j_s - n_{ik} - n_{sa} - 2 \cdot j_{ik} - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-s-2\cdot\Bbbk-\Bbbk_1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j^{sa}-\boldsymbol{n}-2\cdot\Bbbk-\Bbbk_1-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n} - j_{sa})!}{(\boldsymbol{n} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(\boldsymbol{n} - j^{sa})!}{(\boldsymbol{n} + j_{sa} - j^{sa} - s)! \cdot (s - j_{sa})!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-s-2\cdot \Bbbk-\Bbbk_1-2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_{sa}-2\cdot j_{ik}-\boldsymbol{n}-2\cdot \Bbbk-\Bbbk_1-j_{sa}^s-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\land \Bbbk=0\land I=\boldsymbol{I}=1\land \boldsymbol{s}=s+1\land j_{ik}=j^{sa}-1\lor$

$I=\Bbbk+1\land s>1\land \Bbbk>0\land \boldsymbol{I}=1\land \boldsymbol{s}=s+\Bbbk+1\land$

$\Bbbk_z\colon z=2\land \Bbbk=\Bbbk_1+\Bbbk_2\land j_{ik}=j^{sa}-1\lor$

$I=\Bbbk+1\land s>1\land \Bbbk_2>0\land \Bbbk_1=0\land \boldsymbol{I}=1\land$

$\boldsymbol{s}=s+\Bbbk+1\land \Bbbk_z\colon z=1\land \Bbbk=\Bbbk_2\land j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2}$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_{sa}-j_s-s-2\cdot\Bbbk_2-2)!}{(2\cdot n_{ik}+j_{ik}-n_{sa}-\boldsymbol{n}-2\cdot\Bbbk_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\text{İ}so}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_{sa}-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j^{sa} - 1 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1} \frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)! \cdot (s-j_{sa})!} \cdot \frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} + \right.
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)! \cdot (s-j_{sa})!} \cdot
$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}-n_{sa}-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-2)!}{(n_i+n_{ik}+j_s-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j^{sa}-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(\boldsymbol{n}-j_{sa})!}{(\boldsymbol{n}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j^{sa}=j_{ik}+2}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j^{sa}=j_{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(\boldsymbol{n}-j^{sa})!}{(\boldsymbol{n}+j_{sa}-j^{sa}-s)!\cdot(s-j_{sa})!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+\mathbb{k}_1-n_{sa}-s-2\cdot\mathbb{k}-2)!}{(n_i+n_{ik}+j_s+\mathbb{k}_1-n_{sa}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)! \cdot (\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_s-j_i-\mathbb{k}-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}-2\cdot j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

$$
{}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-
$$

$$
(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}
$$

$$
\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}
$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\;\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\;\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
$$

$$
\sum_{(n_i=n)}^{(\;)}\;\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
(D-s)!\cdot\sum_{j_s=1}\;\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\;\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\;)}\;\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-
$$

$$
(D-s)!\cdot\sum_{j_s=1}\;\sum_{j_{ik}=j_{sa}^{ik}}\;\sum_{(j_i=s)}
$$

$$
\sum_{(n_i=n)}^{(\;)}\;\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)}\;\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s)!}
$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$$^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s})!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}
$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\Bbbk-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_D^{\text{İSO}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{()} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} \frac{\left(n_i + 2 \cdot j_{ik} + j_{sa}^{s} - j_s - j_i - 2 \cdot j_{sa}^{ik} - \Bbbk - 1\right)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)! \cdot \left(\boldsymbol{n} + 2 \cdot j_{ik} + j_{sa}^{s} - j_s - j_i - 2 \cdot j_{sa}^{ik}\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}} \sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - \Bbbk - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i - j_{ik} - 1)!}{\left(j_i + j_{sa}^{ik} - j_{ik} - s\right)! \cdot \left(s - j_{sa}^{ik} - 1\right)!} \cdot \frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+j_{ik}-j_i-\Bbbk-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s - \Bbbk - 1\right)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)! \cdot \left(\boldsymbol{n} + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s\right)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\left(\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_s-j_{ik}-\Bbbk-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D=\boldsymbol{n}<n \wedge \Bbbk=0 \wedge I=\boldsymbol{I}=1 \wedge \boldsymbol{s}=s+1 \wedge j_{ik}=j_i-1 \vee$

$I=\Bbbk+1 \wedge s>1 \wedge \Bbbk>0 \wedge \boldsymbol{I}=1 \wedge \boldsymbol{s}=s+\Bbbk+1 \wedge \Bbbk_z\!: z=1 \wedge j_{ik}=j_i-1 \Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\Bbbk-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
\begin{aligned}
{}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1} \\
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1} \\
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot \\
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} + \\
(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \\
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \\
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot \\
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} - \\
(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)} \\
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} \\
\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3 \cdot s-\Bbbk\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)! \cdot \left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3 \cdot s+1\right)!}
\end{aligned}
$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$ {}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1} $$

$$ \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} + $$

$$ (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} - $$

$$ (D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)} $$

$$ \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} $$

$$ \frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\Bbbk-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)! \cdot \left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!} $$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$ {}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1} $$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_D^{\text{iso}} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i-\mathbb{k}-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\mathrm{i}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2 \cdot s-\mathbb{k}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)! \cdot \left(\boldsymbol{n}+j_{sa}^{ik}-2 \cdot s+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)! \cdot (\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$${}^{0}S_{D}^{\mathrm{i}so} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\Bbbk-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_D^{İso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\Bbbk-j_{sa}^{s}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\,)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\,)}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\,)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_{ik}-s-\Bbbk+1)!}{(2\cdot n_i-n_{ik}-j_{ik}-\boldsymbol{n}-\Bbbk-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\,)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_s-n_{ik}-j_{ik}-s-\mathbb{k}-1)!}{(2\cdot n_i+2\cdot j_s-n_{ik}-j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İ}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$$

$${}^{0}S_D^{\text{İso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\Bbbk-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\!: z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_i-s-\mathbb{k}+2)!}{(2\cdot n_i-n_{ik}-j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(2 \cdot n_i + j_s - n_{ik} - j_i - s - \Bbbk)!}{(2 \cdot n_i + 2 \cdot j_s - n_{ik} - j_i - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{\text{İSO}} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

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$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$(D - s)! \cdot \sum_{j_s = 1} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = n_i - j_{ik} + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk}$$

$$\frac{(n_s - j_{sa}^{s} - 1)!}{(n_s + j_i - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\boldsymbol{n} + j_{sa}^{ik} - s)} \sum_{j_i = j_{ik} + s - j_{sa}^{ik}}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk - j_{ik} + 2)}^{(n_i - j_{ik} + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 2}^{n_{ik} + j_{ik} - j_i - \Bbbk}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \sum_{j_s = 1} \sum_{(j_{ik} = j_{sa}^{ik})}^{(\boldsymbol{n} + j_{sa}^{ik} - s)} \sum_{j_i = j_{ik} + s - j_{sa}^{ik} + 1}^{\boldsymbol{n}}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk - j_{ik} + 2)}^{(n_i - j_{ik} + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 2}^{n_{ik} + j_{ik} - j_i - \Bbbk}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

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$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

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$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

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$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

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$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_s - j_s - j_{ik} - j_i - s - 2 \cdot \mathbb{k} + 2)!}{(3 \cdot n_i - n_{ik} - n_s - j_{ik} - j_i - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} + 2)! \cdot (\boldsymbol{n} - s)!}$$

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$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k})!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

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$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

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$$\frac{(3 \cdot n_i + 2 \cdot j_s - n_{ik} - n_s - j_{ik} - j_i - s - 2 \cdot \mathbb{k} - 1)!}{(3 \cdot n_i + 3 \cdot j_s - n_{ik} - n_s - j_{ik} - j_i - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

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$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k})!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_s-j_i-s-2\cdot\Bbbk-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i + n_{ik} + j_{ik} - n_s - j_i - s - 2 \cdot \Bbbk - 1)!}{(n_i + n_{ik} + j_s + j_{ik} - n_s - j_i - \boldsymbol{n} - 2 \cdot \Bbbk - j_{sa}^s - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land j_{ik} = j_i - 1 \Rightarrow$

$${}^0S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_s+j_{ik}-j_s-s)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{ISO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-j_{ik}-1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_{ik}-s-2\cdot\Bbbk)!}{(2\cdot n_i-n_s-j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_i-s-2\cdot \mathbb{k}+3)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot \mathbb{k}-j_{sa}^s+3)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge \mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge \boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge \mathbb{k}>0\wedge \boldsymbol{I}=1\wedge \boldsymbol{s}=s+\mathbb{k}+1\wedge \mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^0S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_{ik}-s-2\cdot \mathbb{k}+1)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot \mathbb{k}-j_{sa}^s+1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{\text{İ}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -
$$

$$
(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}
\frac{(2 \cdot n_i + j_s - n_s - j_{ik} - s - 2 \cdot \mathbb{k} - 2)!}{(2 \cdot n_i + 2 \cdot j_s - n_s - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k} - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}
$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$ {}^{0}S_{D}^{\mathrm{iso}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1} \frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} + $$

$$ (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} - $$

$$ (D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} \frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\Bbbk)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\Bbbk-1)!\cdot(\boldsymbol{n}-s)!} $$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z\!: z = 1 \land j_{ik} = j_i - 1 \Rightarrow$

$$ {}^{0}S_{D}^{\mathrm{iso}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1} $$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\Bbbk-2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z: z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+n_{ik}-n_s-s-2\cdot\Bbbk-2)!}{(n_i+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\Rightarrow$

$${}^{0}S_D^{\dot{\imath}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

$${}^{0}S_{D}^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_s-j_i-\Bbbk-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\land\Bbbk=0\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\lor$

$I=\Bbbk+1\land s>1\land\Bbbk>0\land\boldsymbol{I}=1\land\boldsymbol{s}=s+\Bbbk+1\land\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_{D}^{\text{İSO}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\Bbbk-2\cdot j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$$^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\Rightarrow$$

$$
\begin{aligned}
{}^{0}S_D^{\dot{I}SO}={}&(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}\\
&\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\\
&\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\\
&\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot\\
&\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+\\
&(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\\
&\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\\
&\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot\\
&\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\\
&\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-\\
&(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}\\
&\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}\\
&\frac{\left(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s\right)!}
\end{aligned}
$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

$${}^{0}S_D^{İso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} \frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\Bbbk-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$$^{0}S_D^{\text{İ}SO} = (D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} \frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\Bbbk-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+j_{ik}-j_i-\Bbbk-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D=\boldsymbol{n}<n\land\Bbbk=0\land I=\boldsymbol{I}=1\land\boldsymbol{s}=s+1\lor$

$I=\Bbbk+1\land s>1\land\Bbbk>0\land\boldsymbol{I}=1\land\boldsymbol{s}=s+\Bbbk+1\land\Bbbk_z:z=1\Rightarrow$

$${}^{0}S_D^{\mathrm{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s-\Bbbk-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\left(\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_s-j_{ik}-\mathbb{k}-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\Bbbk-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

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$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - 2 \cdot s - \mathbb{k})!}{(n_i - \boldsymbol{n} - \mathbb{k} - 1)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - 2 \cdot s + 1)!}$$

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$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

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$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\Bbbk-j_{sa}^{s}-1\right)!}{\left(n_{ik}+j_{ik}-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$${}^{0}S_{D}^{\text{i}so} = (D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_{ik}-s-\mathbb{k}+1)!}{(2\cdot n_i-n_{ik}-j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_s-n_{ik}-j_{ik}-s-\mathbb{k}-1)!}{(2\cdot n_i+2\cdot j_s-n_{ik}-j_{ik}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_i-s-\mathbb{k}+2)!}{(2\cdot n_i-n_{ik}-j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_s-n_{ik}-j_i-s-\mathbb{k})!}{(2\cdot n_i+2\cdot j_s-n_{ik}-j_i-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - \mathbb{k} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k})!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(n_s - j_{sa}^{s} - 1)!}{(n_s + j_i - \boldsymbol{n} - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \Rightarrow$

$${}^{0}S_D^{\mathrm{i}so} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_i-s-2\cdot\Bbbk+1)!}{(2\cdot n_i-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-j_{ik}-j_i-s-2\cdot\mathbb{k}+2)!}{(3\cdot n_i-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\Rightarrow$

$$ {}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}} $$

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+ $$

$$ (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)- $$

$$ (D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)} $$

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} $$

$$ \frac{(2\cdot n_i+j_s-n_s-j_i-s-2\cdot\Bbbk-1)!}{(2\cdot n_i+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!} $$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\Rightarrow$

$$^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k})!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\Rightarrow$

$$
\begin{aligned}
{}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}
&\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\\
&\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\\
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}&\cdot\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}\cdot\\
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}\right.&\left.+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+\\
(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}
&\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}\\
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}&\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot\\
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}&\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\\
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}\right.&\left.+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-\\
(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}
&\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}
\end{aligned}
$$

$$\frac{(2 \cdot n_{ik} + 2 \cdot j_{ik} - n_s - j_s - j_i - s - 2 \cdot \Bbbk - 1)!}{(2 \cdot n_{ik} + 2 \cdot j_{ik} - n_s - j_i - \boldsymbol{n} - 2 \cdot \Bbbk - j_{sa}^{s} - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \Rightarrow$

$$^{0}S_{D}^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - \Bbbk - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\Bbbk-1)!}{(n_i+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk} \frac{(n_s+j_{ik}-j_s-s)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$$

$$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$$

$$^{0}S_D^{iso} = (D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-j_{ik}-1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{i}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_{ik}-s-2\cdot\mathbb{k})!}{(2\cdot n_i-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_i-s-2\cdot\Bbbk+3)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}+3)!\cdot(\boldsymbol{n}-s)!}$$

$$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$$

$$^{0}S_D^{İso}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

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$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(3\cdot n_i - n_{ik} - n_s - j_s - 2\cdot j_{ik} - s - 2\cdot\Bbbk + 1)!}{(3\cdot n_i - n_{ik} - n_s - 2\cdot j_{ik} - \boldsymbol{n} - 2\cdot\Bbbk - j_{sa}^{s} + 1)!\cdot(\boldsymbol{n}-s)!}$$

$$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$$

$$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$$

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$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) -$$

$$(D-s)!\cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_i+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\mathbb{k})!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\Bbbk-2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge j_{ik}=j_i-1\Rightarrow$$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}} \frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}-j_{ik}+2)}^{(n_i-j_{ik}+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i+n_{ik}-n_s-s-2\cdot\Bbbk-2)!}{(n_i+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\!: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\!: z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z : z = 1 \land \Bbbk = \Bbbk_2 \Rightarrow$

$$
{}^{0}S_D^{\mathrm{iso}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\frac{(n_i+j_s-j_i-\mathbb{k}-j_{sa}^s-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j_i=s}\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\right.$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_s-j_i-\Bbbk_1-\Bbbk_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}-2\cdot j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s})!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s})!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$
{}^{0}S_{D}^{\mathrm{i}so} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\mathbf{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)! \cdot (\mathbf{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\mathbf{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\mathbf{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \right.
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)! \cdot (\mathbf{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\mathbf{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\mathbf{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)! \cdot (\mathbf{n}-j_i)!} \right) -
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_i+j_{sa}^{s}-j_s-2\cdot s-\Bbbk_1-\Bbbk_2-1)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-2\cdot s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z\colon z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z\colon z = 1 \land \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\Bbbk-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}\right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)! \cdot (\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s})!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z : z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land$

$\mathbb{k}_z : z = 1 \land \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \right) -
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)! \cdot \left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)! \cdot \left(s-j_{sa}^{ik}-1\right)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\Bbbk-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z{:}\,z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}-j_i-\mathbb{k}-j_{sa}^{ik}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik})!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} + \right.
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}-j_i-\Bbbk_1-\Bbbk_2-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s - \mathbb{k} - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k} - 1)! \cdot \left(\boldsymbol{n} + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s - \Bbbk_1 - \Bbbk_2 - 1\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2 - 1)! \cdot \left(\boldsymbol{n} + j_i + j_{sa}^{ik} - j_{ik} - 2 \cdot s\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_{D}^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\;)} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\;)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)! \cdot (\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z: z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=s-1)}^{(\ )}\ \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\ \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_{ik}-\mathbb{k}-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i + j_s - j_{ik} - \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^s - 2)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot (\boldsymbol{n} + j_s - j_{ik} - j_{sa}^s - 1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^0S_D^{ISO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \Bigg(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\mathbb{k}-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{()}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$D = \boldsymbol{n} < n$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + 2 \cdot j_s + j_{sa}^{ik} - 2 \cdot j_i - \mathbb{k}_1 - \mathbb{k}_2 - 2 \cdot j_{sa}^{s}\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + 2 \cdot j_s + j_{sa}^{ik} - 2 \cdot j_i - 2 \cdot j_{sa}^{s} + 1\right)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 1 \land \Bbbk = \Bbbk_2 \land j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}
$$

$$
\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-2\cdot s-\mathbb{k})!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-2\cdot s+1)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-\Bbbk\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z\colon z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \land j_{ik} = j_i - 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z\colon z = 1 \land \Bbbk = \Bbbk_2 \land j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_i-s-\Bbbk-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_i-s-j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$$^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_s+j_{sa}^{ik}-j_i-s-\Bbbk_1-\Bbbk_2-j_{sa}^{s})!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_i-s-j_{sa}^{s}+1)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^0S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \right) -$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}\right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2 \cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)! \cdot \left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2 \cdot j_{sa}^{ik}-1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i-\Bbbk-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i-\Bbbk_1-\Bbbk_2-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-\mathbb{k}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{İSO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{\left(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1\right)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} + \right.
$$

$$
\left. \sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)! \cdot (\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^s-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^s-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\;\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\;\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\;\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\;\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\;\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\;\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\;\sum_{j_{ik}=j_{sa}^{ik}}\;\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\;\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\;\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{ik}-j_s-s-\mathbb{k}_2-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \Bigg(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_{ik}+j_{ik}+\Bbbk_1-j_s-s-\Bbbk-1)!}{(n_{ik}+j_{ik}+\Bbbk_1-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z : z = 1 \land \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left.\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k}_2 - j_{sa}^{s} - 1\right)!}{(n_{ik} + j_{ik} - \boldsymbol{n} - \mathbb{k}_2 - j_{sa}^{s} - 1)! \cdot \left(\boldsymbol{n} + j_{sa}^{ik} - s - j_{ik}\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{İSO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\Bbbk_1-s-\Bbbk-j_{sa}^{s}-1\right)!}{(n_{ik}+j_{ik}+\Bbbk_1-\boldsymbol{n}-\Bbbk-j_{sa}^{s}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_{ik}-s-2\cdot\Bbbk_1-\Bbbk_2+1)!}{(2\cdot n_i-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\Bbbk_1-\Bbbk_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_s-j_{ik}-s-2\cdot\mathbb{k}+1)!}{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_i-j_s-s-\mathbb{k}_2-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik} + j_i + \mathbb{k}_1 - j_s - s - \mathbb{k} - 2)!}{(n_{ik} + j_i + \mathbb{k}_1 - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \Bbbk_2 - j_{sa}^{s} - 1\right)!}{(n_{ik} + j_i - \boldsymbol{n} - \Bbbk_2 - j_{sa}^{s} - 2)! \cdot \left(\boldsymbol{n} + j_{sa}^{ik} - s - j_i + 1\right)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{İSO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_i-s-2\cdot\mathbb{k}_1-\mathbb{k}_2+2)!}{(2\cdot n_i-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \frac{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_s-j_i-s-2\cdot\mathbb{k}+2)!}{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_i-s-2\cdot\Bbbk_1-2\cdot\Bbbk_2+1)!}{(2\cdot n_i-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk_1-2\cdot\Bbbk_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_i-s-2\cdot\mathbb{k}+1)!}{(2\cdot n_i-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$
{}^{0}S_{D}^{\mathrm{i}so} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \right) -
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-j_{ik}-j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2+2)!}{(3\cdot n_i-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\text{i}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1+2)!}{(3\cdot n_i-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iSO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_i-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_i+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot $$

$$ \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot $$

$$ \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} $$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_i+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\text{İ}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\Bbbk-\Bbbk_1-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\Bbbk-\Bbbk_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_s-j_i-s-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z \colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z \colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-1)!}{(n_i+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\,)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{\left(j_{ik}=j_{sa}^{ik}+1\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\,)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\,)} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\,)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+j_{ik}+\mathbb{k}_1-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(n_i+n_{ik}+j_s+j_{ik}+\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\;)} \sum_{j_i=s} \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\;)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} + \right.
$$

$$
\left. \sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \right) -
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_s+j_{ik}-j_s-s)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-j_{ik}-1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)!\cdot\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_{ik}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2)!}{(2\cdot n_i-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_{ik}-s-2\cdot\Bbbk)!}{(2\cdot n_i-n_s-j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z: z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z: z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_s - j_s - 2 \cdot j_i - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 + 3)!}{(3 \cdot n_i - n_{ik} - n_s - 2 \cdot j_i - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} + 3)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_{ik}-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2+1)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot
$$

$$
\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot
$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1+3)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+3)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İSO}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\left. \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_s - j_s - 2 \cdot j_{ik} - s - 2 \cdot \mathbb{k} - \mathbb{k}_1 + 1)!}{(3 \cdot n_i - n_{ik} - n_s - 2 \cdot j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k} - \mathbb{k}_1 - j_{sa}^{s} + 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2 \cdot n_i + j_s - n_s - j_{ik} - s - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 2)!}{(2 \cdot n_i + 2 \cdot j_s - n_s - j_{ik} - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_i+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-
$$

$$
(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}
$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(3 \cdot n_i + 2 \cdot j_s - n_{ik} - n_s - 2 \cdot j_{ik} - s - 3 \cdot \Bbbk_1 - 2 \cdot \Bbbk_2 - 2)!}{(3 \cdot n_i + 3 \cdot j_s - n_{ik} - n_s - 2 \cdot j_{ik} - \boldsymbol{n} - 3 \cdot \Bbbk_1 - 2 \cdot \Bbbk_2 - j_{sa}^s - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1-2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \right.
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}} \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot
$$

$$
\left. \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \right) -
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\Bbbk_2-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\Bbbk_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_s-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}-n_s-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-2)!}{(n_i+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z: z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+\mathbb{k}_1-n_s-s-2\cdot\mathbb{k}-2)!}{(n_i+n_{ik}+j_s+\mathbb{k}_1-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\left(\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\colon z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{\text{i}so} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \mathbf{n} < n \wedge \mathbb{k} = 0 \wedge I = \mathbf{I} = 1 \wedge \mathbf{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \mathbf{I} = 1 \wedge \mathbf{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \mathbf{I} = 1 \wedge \mathbf{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$
{}^{0}S_D^{\text{iso}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\mathbf{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\mathbf{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\mathbf{n}-2)! \cdot (\mathbf{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\mathbf{n}-2)! \cdot (\mathbf{n}-j_i-i+1)!}\right) +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\mathbf{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\mathbf{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\mathbf{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\mathbf{n}-2)! \cdot (\mathbf{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\mathbf{n}-2)! \cdot (\mathbf{n}-j_i-i+1)!}\right) +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\mathbf{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\mathbf{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\mathbf{n}-j_i+1)}
$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_i-\mathbb{k}-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_s-j_i-\Bbbk_1-\Bbbk_2-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$$
{}^{0}S_{D}^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}-2\cdot j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-2\cdot j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-j_{ik}-j_i-2\cdot j_{sa}^{s}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left.\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2\cdot s - \Bbbk - 1)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)!\cdot(\boldsymbol{n} + j_i + j_{sa}^s - j_s - 2\cdot s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\colon z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^0S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)!\cdot(n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!}\cdot\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)!\cdot(n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)!\cdot(\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)!\cdot(\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)!\cdot(s - j_{sa}^{ik} - 1)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)!\cdot(n_i - n_{ik} - j_{ik} + 1)!}\cdot\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)!\cdot(n_{ik} + j_{ik} - n_s - j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)!\cdot(\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)!\cdot(\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_i+j_{sa}^s-j_s-2\cdot s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_i+j_{sa}^s-j_s-2\cdot s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_i+j_{sa}^s+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+2\cdot j_i+j_{sa}^s+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-j_{ik}-3\cdot s\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\Bbbk-j_{sa}^{s}-1)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s})!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\!:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\!:z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$$
{}^{0}S_{D}^{\text{İ}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right) -
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_{ik}-s-\Bbbk_1-\Bbbk_2-j_{sa}^{s}-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_{ik}-s-j_{sa}^{s}\right)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z: z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z: z = 1 \land \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-j_{sa}^{ik}-s\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left.\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - j_{sa}^{ik} - s - \mathbb{k}_1 - \mathbb{k}_2 - 1\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - j_{sa}^{ik} - s\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{\left(j_{ik} - j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik} - 2\right)!} \cdot \frac{(j_i - j_{ik} - 1)!}{\left(j_i + j_{sa}^{ik} - j_{ik} - s\right)! \cdot \left(s - j_{sa}^{ik} - 1\right)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)! \cdot \left(j_{sa}^{ik}-2\right)!} \cdot \frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)! \cdot \left(s-j_{sa}^{ik}-1\right)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right)\Bigg) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\Bbbk-1\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)! \cdot \left(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}\right)!}$$

$D = \boldsymbol{n} < n \land \Bbbk = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land \Bbbk_z\colon z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \lor$

$I = \Bbbk + 1 \land s > 1 \land \Bbbk_2 > 0 \land \Bbbk_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \Bbbk + 1 \land$

$\Bbbk_z\colon z = 1 \land \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{\text{iso}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot \frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik}-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+2\cdot j_{ik}+j_{sa}^{s}-j_s-j_i-2\cdot j_{sa}^{ik})!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_{D}^{\text{iso}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right) + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!} \cdot $$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}-j_i-\mathbb{k}-j_{sa}^{ik}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik}\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}-j_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_{ik}-j_i-j_{sa}^{ik})!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_{D}^{\text{İ}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot $$

$$ \left. \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) \right) - $$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s-\mathbb{k}-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s\right)!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s+1 \lor$

$I = \mathbb{k}+1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s+\mathbb{k}+1 \land \mathbb{k}_z : z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \lor$

$I = \mathbb{k}+1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s+\mathbb{k}+1 \land$

$\mathbb{k}_z : z = 1 \land \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s-\mathbb{k}_1-\mathbb{k}_2-1\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{ik}-j_{ik}-2\cdot s\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i - s - \Bbbk - 1)!}{(n_i - \boldsymbol{n} - \Bbbk - 1)! \cdot (\boldsymbol{n} - s)!}\right)_{j_i}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\colon z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\left(\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}\right)_{j_i}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\text{İso}} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{\text{İSO}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i-s-\mathbb{k}_1-\mathbb{k}_2-1)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{i}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_{ik}-\mathbb{k}-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-j_{ik}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)! \cdot (\boldsymbol{n}+j_s-j_{ik}-j_{sa}^{s}-1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s+\mathbb{k}+1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k}+1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s+\mathbb{k}+1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\mathbb{k}-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left.\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-\Bbbk_1-\Bbbk_2-2\cdot j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+2\cdot j_s+j_{sa}^{ik}-2\cdot j_i-2\cdot j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-\mathbb{k})!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot s-\mathbb{k}_1-\mathbb{k}_2)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot s+1)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$
{}^{0}S_D^{\dot{\mathrm{I}}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-\mathbb{k}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s-\mathbb{k}_1-\mathbb{k}_2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}+j_{sa}^{ik}-j_s-3\cdot s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$$
{}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + j_s + j_{sa}^{ik} - j_i - s - \mathbb{k} - j_{sa}^{s}\right)!}{(n_i - \boldsymbol{n} - \mathbb{k} - 1)! \cdot \left(\boldsymbol{n} + j_s + j_{sa}^{ik} - j_i - s - j_{sa}^{s} + 1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_s+j_{sa}^{ik}-j_i-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_s+j_{sa}^{ik}-j_i-s-j_{sa}^{s}+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left.\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\Bbbk-2\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-\mathbb{k}_1-\mathbb{k}_2-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)!\cdot\left(\boldsymbol{n}+j_i+j_{sa}^{s}-j_s-j_{sa}^{ik}-s-1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{İSO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-\mathbb{k}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-2\cdot j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \wedge j_{ik}=j_i-1 \vee$

$I=\mathbb{k}+1 \wedge s>1 \wedge \mathbb{k}_2>0 \wedge \mathbb{k}_1=0 \wedge \boldsymbol{I}=1 \wedge$

$\boldsymbol{s}=s+\mathbb{k}+1 \wedge \mathbb{k}_z\!: z=1 \wedge \mathbb{k}=\mathbb{k}_2 \wedge j_{ik}=j_i-1 \Rightarrow$

$$
{}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$(D - s)! \cdot \sum_{j_s = 1} \sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = j_{ik} + 1)}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = n_i - j_{ik} - \mathbb{k}_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2 - 2\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2 - 1)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - 2 \cdot j_{sa}^{ik} - 1\right)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D - s)! \cdot \sum_{j_s = 1} \sum_{(j_{ik} = s - 1)}^{(\ )} \sum_{j_i = s}$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \mathbb{k}_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 2}^{n_{ik} - \mathbb{k}_2 - 1} \sum_{(i = 2)}^{(\boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s = 1} \sum_{(j_{ik} = s - 1)}^{(\ )} \sum_{j_i = j_{ik} + 2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i = n)}^{(\ )} \sum_{(n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 2)}^{(n_i - j_{ik} - \mathbb{k}_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 2}^{n_{ik} + j_{ik} - j_i - \mathbb{k}_2} \sum_{(i = 2)}^{(\boldsymbol{n} - j_i + 1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i-\Bbbk-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\Bbbk-1)!\cdot\left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$$
{}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}^{(\ )}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-
$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{ik}-2\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-1)! \cdot \left(\boldsymbol{n}-j_{sa}^{ik}-1\right)!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land$

$\mathbb{k}_z\colon z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \land j_{ik} = j_i - 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\colon z = 1 \land \mathbb{k} = \mathbb{k}_2 \land j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\text{i}so} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-\mathbb{k}\right)!}{(n_i-\boldsymbol{n}-\mathbb{k}-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left.\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i+j_{sa}^{ik}-2\cdot s-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2-1)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-2\cdot s+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}\right)}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{\left(j_{ik}=j_{sa}^{ik}+1\right)}^{\left(\boldsymbol{n}+j_{sa}^{ik}-s\right)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{\left(j_{ik}-j_{sa}^{ik}\right)!\cdot\left(j_{sa}^{ik}-2\right)!}\cdot\frac{(j_i-j_{ik}-1)!}{\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!\cdot\left(s-j_{sa}^{ik}-1\right)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\text{iso}} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$ {}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot $$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!: z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\mathrm{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+j_s-s-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2} \frac{(n_{ik}+j_{ik}-j_s-s-\Bbbk_2-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\Bbbk_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\colon z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{ik}+\mathbb{k}_1-j_s-s-\mathbb{k}-1)!}{(n_{ik}+j_{ik}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{()}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1)!}{(n_{ik}+j_{ik}-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik})!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\dot{I}so} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1)!}{(n_{ik}+j_{ik}+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}+j_{sa}^{ik}-s-j_{ik})!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_{ik}-j_s-j_{ik}-s-2\cdot\mathbb{k}_1-\mathbb{k}_2+1)!}{(2\cdot n_i-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-\mathbb{k}_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$$ {}^{0}S_D^{\text{iso}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+ $$

$$ (D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right. $$

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+ $$

$$ \sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot $$

$$ \left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)- $$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_s-j_{ik}-s-2\cdot\mathbb{k}+1)!}{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İSO}}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$D=\boldsymbol{n}<n$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_{ik}+j_i-j_s-s-\Bbbk_2-2)!}{(n_{ik}+j_i-\boldsymbol{n}-\Bbbk_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İ}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_{ik} + j_i + \mathbb{k}_1 - j_s - s - \mathbb{k} - 2)!}{(n_{ik} + j_i + \mathbb{k}_1 - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}_2-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i-\boldsymbol{n}-\mathbb{k}_2-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{()}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}+\mathbb{k}_1-s-\mathbb{k}-j_{sa}^{s}-1\right)!}{(n_{ik}+j_i+\mathbb{k}_1-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}-2)!\cdot\left(\boldsymbol{n}+j_{sa}^{ik}-s-j_i+1\right)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_{D}^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2 \cdot n_i - n_{ik} - j_s - j_i - s - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 + 2)!}{(2 \cdot n_i - n_{ik} - j_i - \boldsymbol{n} - 2 \cdot \mathbb{k}_1 - \mathbb{k}_2 - j_{sa}^{s} + 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_s-j_i-s-2\cdot\mathbb{k}+2)!}{(2\cdot n_i+\mathbb{k}_2-n_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\!:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\!:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\dot{I}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_s+j_i-j_s-s-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z{:}\,z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right)\Bigg) -$$

$$(D-s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_i-\boldsymbol{n}-j_{sa}^{s}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_i-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2+1)!}{(2\cdot n_i-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_{D}^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_i-s-2\cdot\mathbb{k}+1)!}{(2\cdot n_i-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{()} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-j_{ik}-j_i-s-3\cdot\Bbbk_1-2\cdot\Bbbk_2+2)!}{(3\cdot n_i-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-3\cdot\Bbbk_1-2\cdot\Bbbk_2-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z\!: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z\!: z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$$
{}^{0}S_{D}^{\dot{\mathrm{I}}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+
$$

$$
\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-
$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1+2)!}{(3\cdot n_i-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z:z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{\text{i}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_i-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_i+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_{D}^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot \frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - j_{sa}^{ik})! \cdot (j_{sa}^{ik} - 2)!} \cdot \frac{(j_i - j_{ik} - 1)!}{(j_i + j_{sa}^{ik} - j_{ik} - s)! \cdot (s - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left.\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\right) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_i-s-2\cdot\Bbbk-1)!}{(2\cdot n_i+2\cdot j_s-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z{:}\,z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z{:}\,z=1\wedge\Bbbk=\Bbbk_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-3\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{\text{iso}} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\;)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1-1)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-j_{ik}-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$$ {}^{0}S_D^{iso} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!} \cdot \frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{()} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!} \right) + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})! \cdot (j_{sa}^{ik}-2)!} \cdot \frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)! \cdot (s-j_{sa}^{ik}-1)!} \cdot $$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_s-j_i-s-2\cdot\mathbb{k}_2-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\Rightarrow$

$${}^{0}S_D^{iso}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_s-j_i-s-2\cdot\mathbb{k}-1)!}{(2\cdot n_{ik}+2\cdot j_{ik}+2\cdot\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot\frac{(n_{ik}-n_s-\mathbb{k}_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\ \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\ \sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\ \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\ \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\ \sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2} \frac{(n_i+n_{ik}+j_{ik}-n_s-j_i-s-2\cdot\Bbbk_2-\Bbbk_1-1)!}{(n_i+n_{ik}+j_s+j_{ik}-n_s-j_i-\boldsymbol{n}-2\cdot\Bbbk_2-\Bbbk_1-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \Rightarrow$

$${}^{0}S_D^{iso} = (D-s)!\cdot \sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(\ )} \sum_{j_i=j_{ik}+s-j_{sa}^{ik}+1}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\boldsymbol{n}+j_{sa}^{ik}-s)}\sum_{j_i=j_{ik}+s-j_{sa}^{ik}}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-j_{sa}^{ik})!\cdot(j_{sa}^{ik}-2)!}\cdot\frac{(j_i-j_{ik}-1)!}{(j_i+j_{sa}^{ik}-j_{ik}-s)!\cdot(s-j_{sa}^{ik}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+j_{ik}+\mathbb{k}_1-n_s-j_i-s-2\cdot\mathbb{k}-1)!}{(n_i+n_{ik}+j_s+j_{ik}+\mathbb{k}_1-n_s-j_i-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z: z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_s+j_{ik}-j_s-s)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{\text{İSO}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
$$

$$
\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
$$

$$
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\;)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_s-j_{sa}^{s}-1)!}{(n_s+j_{ik}-\boldsymbol{n}-j_{sa}^{s})!\cdot(\boldsymbol{n}-j_{ik}-1)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{()} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{()} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_{ik}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2)!}{(2\cdot n_i-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i)!} + \frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)! \cdot (\boldsymbol{n}-j_i-i+1)!}\right) +
\right.
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(2\cdot n_i-n_s-j_s-j_{ik}-s-2\cdot\Bbbk)!}{(2\cdot n_i-n_s-j_{ik}-\boldsymbol{n}-2\cdot\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İ}so}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_s - j_s - 2 \cdot j_i - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 + 3)!}{(3 \cdot n_i - n_{ik} - n_s - 2 \cdot j_i - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} + 3)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{\mathrm{iso}} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i - n_{ik} - n_s - j_s - 2 \cdot j_{ik} - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 + 1)!}{(3 \cdot n_i - n_{ik} - n_s - 2 \cdot j_{ik} - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^s + 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land$

$\mathbb{k}_z\!: z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \land j_{ik} = j_i - 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z\!: z = 1 \land \mathbb{k} = \mathbb{k}_2 \land j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)-$$

$$(D-s)!\cdot\sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_i-s-2\cdot\mathbb{k}-\mathbb{k}_1+3)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+3)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z\colon z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\text{İSO}}=(D-s)!\cdot\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

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$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i-n_{ik}-n_s-j_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1+1)!}{(3\cdot n_i-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}+1)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\text{İSO}} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

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$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_i+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}_1-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

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$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z\!: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\!: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{İSO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_i+j_s-n_s-j_{ik}-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_i+2\cdot j_s-n_s-j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$ {}^0S_D^{İSO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) + $$

$$ (D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right. $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot $$

$$ \frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot $$

$$ \left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!} \right) + $$

$$ \sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}} $$

$$ \sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)} $$

$$ \frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot $$

$$ \frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot $$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_i-s-3\cdot\Bbbk_1-2\cdot\Bbbk_2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_i-\boldsymbol{n}-3\cdot\Bbbk_1-2\cdot\Bbbk_2-1)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\Bbbk=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\Bbbk+1\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\wedge j_{ik}=j_i-1\vee$

$I=\Bbbk+1\wedge s>1\wedge\Bbbk_2>0\wedge\Bbbk_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s}=s+\Bbbk+1\wedge\Bbbk_z\colon z=1\wedge\Bbbk=\Bbbk_2\wedge j_{ik}=j_i-1\Rightarrow$

$${}^{0}S_D^{\dot{I}SO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\Bigg(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right)\Bigg) -$$

$$(D - s)! \cdot \sum_{j_s=1} \sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i + 2 \cdot j_s - n_{ik} - n_s - 2 \cdot j_{ik} - s - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - 2)!}{(3 \cdot n_i + 3 \cdot j_s - n_{ik} - n_s - 2 \cdot j_{ik} - \boldsymbol{n} - 3 \cdot \mathbb{k}_1 - 2 \cdot \mathbb{k}_2 - j_{sa}^{s} - 2)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z : z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{iSO} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\;)}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3 \cdot n_i + 2 \cdot j_s - n_{ik} - n_s - 2 \cdot j_i - s - 2 \cdot \mathbb{k} - \mathbb{k}_1)!}{(3 \cdot n_i + 3 \cdot j_s - n_{ik} - n_s - 2 \cdot j_i - \boldsymbol{n} - 2 \cdot \mathbb{k} - \mathbb{k}_1 - 1)! \cdot (\boldsymbol{n} - s)!}$$

$D = \boldsymbol{n} < n \land \mathbb{k} = 0 \land I = \boldsymbol{I} = 1 \land \boldsymbol{s} = s + 1 \land j_{ik} = j_i - 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k} > 0 \land \boldsymbol{I} = 1 \land \boldsymbol{s} = s + \mathbb{k} + 1 \land$

$\mathbb{k}_z : z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \land j_{ik} = j_i - 1 \lor$

$I = \mathbb{k} + 1 \land s > 1 \land \mathbb{k}_2 > 0 \land \mathbb{k}_1 = 0 \land \boldsymbol{I} = 1 \land$

$\boldsymbol{s} = s + \mathbb{k} + 1 \land \mathbb{k}_z : z = 1 \land \mathbb{k} = \mathbb{k}_2 \land j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{iso} = (D - s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D - s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}} \right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik} - 2)!}{(j_{ik} - s + 1)! \cdot (s - 3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s - 2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(3\cdot n_i+2\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-s-2\cdot\mathbb{k}-\mathbb{k}_1-2)!}{(3\cdot n_i+3\cdot j_s-n_{ik}-n_s-2\cdot j_{ik}-\boldsymbol{n}-2\cdot\mathbb{k}-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$$

$$\mathbb{k}_z{:}\,z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$$

$$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$$

$$\boldsymbol{s}=s+\mathbb{k}+1\wedge\mathbb{k}_z{:}\,z=1\wedge\mathbb{k}=\mathbb{k}_2\wedge j_{ik}=j_i-1\Rightarrow$$

$${}^{0}S_D^{İSO}=(D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left.\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\right)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+j_{ik}-n_s-j_s-s-2\cdot\mathbb{k}_2-2)!}{(2\cdot n_{ik}+j_{ik}-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \Bbbk + 1 \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \Bbbk + 1 \wedge s > 1 \wedge \Bbbk_2 > 0 \wedge \Bbbk_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \Bbbk + 1 \wedge \Bbbk_z : z = 1 \wedge \Bbbk = \Bbbk_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_{D}^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\;)} \sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\Bbbk_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\;)} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +$$

$$\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\;)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+2)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_s-j_s-s-2\cdot\mathbb{k}-2)!}{(2\cdot n_{ik}+j_{ik}+2\cdot\mathbb{k}_1-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D = \boldsymbol{n} < n \wedge \mathbb{k} = 0 \wedge I = \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + 1 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k} > 0 \wedge \boldsymbol{I} = 1 \wedge \boldsymbol{s} = s + \mathbb{k} + 1 \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \vee$

$I = \mathbb{k} + 1 \wedge s > 1 \wedge \mathbb{k}_2 > 0 \wedge \mathbb{k}_1 = 0 \wedge \boldsymbol{I} = 1 \wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z: z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$${}^{0}S_D^{\dot{I}SO} = (D-s)!\cdot\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1}\sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\mathbb{k}_1+1)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$(D-s)!\cdot\left(\sum_{j_s=1}\sum_{(j_{ik}=s-1)}^{(\ )}\sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}\right.$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)+$$

$$\sum_{j_s=1}\sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)}\sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}$$

$$\frac{(j_{ik}-2)!}{(j_{ik}-s+1)!\cdot(s-3)!}\cdot$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}-n_s-s-2\cdot\mathbb{k}_2-\mathbb{k}_1-2)!}{(n_i+n_{ik}+j_s-n_s-\boldsymbol{n}-2\cdot\mathbb{k}_2-\mathbb{k}_1-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge\mathbb{k}=0\wedge I=\boldsymbol{I}=1\wedge\boldsymbol{s}=s+1\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}>0\wedge\boldsymbol{I}=1\wedge\boldsymbol{s}=s+\mathbb{k}+1\wedge$

$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\wedge j_{ik}=j_i-1\vee$

$I=\mathbb{k}+1\wedge s>1\wedge\mathbb{k}_2>0\wedge\mathbb{k}_1=0\wedge\boldsymbol{I}=1\wedge$

$\boldsymbol{s} = s + \mathbb{k} + 1 \wedge \mathbb{k}_z\colon z = 1 \wedge \mathbb{k} = \mathbb{k}_2 \wedge j_{ik} = j_i - 1 \Rightarrow$

$$
{}^{0}S_D^{\dot{I}SO} = (D-s)! \cdot \sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=s}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}-\mathbb{k}_2-1} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot
\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +
$$

$$
(D-s)! \cdot \left(\sum_{j_s=1} \sum_{(j_{ik}=s-1)}^{(\ )} \sum_{j_i=j_{ik}+2}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
\left(\frac{(n_s-2)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i)!} + \frac{(n_s - i - 1)!}{(n_s + j_i - \boldsymbol{n} - 2)! \cdot (\boldsymbol{n} - j_i - i + 1)!}\right) +
$$

$$
\sum_{j_s=1} \sum_{(j_{ik}=s)}^{(\boldsymbol{n}-1)} \sum_{j_i=j_{ik}+1}^{\boldsymbol{n}}
\sum_{(n_i=n)}^{(\ )} \sum_{(n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+2)}^{(n_i-j_{ik}-\mathbb{k}_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+2}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum_{(i=2)}^{(\boldsymbol{n}-j_i+1)}
\frac{(j_{ik}-2)!}{(j_{ik}-s+1)! \cdot (s-3)!} \cdot
\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$\left(\frac{(n_s-2)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i)!}+\frac{(n_s-i-1)!}{(n_s+j_i-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-j_i-i+1)!}\right)\Bigg)-$$

$$(D-s)!\cdot\sum_{j_s=1}\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=j_{ik}+1)}$$

$$\sum_{(n_i=n)}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\mathbb{k}_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i+n_{ik}+\mathbb{k}_1-n_s-s-2\cdot\mathbb{k}-2)!}{(n_i+n_{ik}+j_s+\mathbb{k}_1-n_s-\boldsymbol{n}-2\cdot\mathbb{k}-j_{sa}^{s}-2)!\cdot(\boldsymbol{n}-s)!}$$

$D=\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge \boldsymbol{s}=s+\mathbb{k}+1\wedge \mathbb{k}_z: z>1\Rightarrow$

$${}^{0}S_D^{İSO}=\prod_{z=3}^{s}\sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\sum_{(j_{ik})_{z-1}=z-1}^{(j_i)_{z-1}-1}\sum_{((j_i)_{z-1}=z\vee z=s\Rightarrow s)}^{((j_{ik})_{z+1}-1\vee \boldsymbol{n})}$$

$$\sum_{n_i=n}\sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=2}\mathbb{k}_i-(j_i)_1\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=2}^{s-1}\mathbb{k}_i-(j_i)_1+2\right)}^{\left(n-(j_i)_1-\sum_{i=1}\mathbb{k}_i+1\right)}$$

$$\sum_{(n_{ik})_{z-1}=(n_s)_{z-1}+(j_i)_{z-1}+\sum_{i=z-1}\mathbb{k}_i-(j_{ik})_{z-1}\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z-1}^{s-1}\mathbb{k}_i-(j_{ik})_{z-1}+2}^{(n_{ik})_{z-2}+(j_{ik})_{z-2}-(j_{ik})_{z-1}-\sum_{i=z-2}\mathbb{k}_i}$$

$$\sum_{\left((n_s)_{z-1}=(n_s)_z+(j_i)_z+\sum_{i=z}\mathbb{k}_i-(j_i)_{z-1}\vee z=s\Rightarrow\boldsymbol{n}+\sum_{i=z}^{s-1}\mathbb{k}_i-(j_i)_{z-1}+2\right)}^{\left((n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_i)_{z-1}-\sum_{i=z-1}\mathbb{k}_i-1\right)}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}\right)!}{\left(D-s-(j_i)_{z-1}+(j_{ik})_{z-1}-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}+1\right)!}\cdot$$

$$\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_{z-1}-(n_s)_{z-1}-1)!}{((j_i)_{z-1}-(j_{ik})_{z-1}-1)!\cdot((n_{ik})_{z-1}+(j_{ik})_{z-1}-(n_s)_{z-1}-(j_i)_{z-1})!}\cdot$$

$$\frac{((n_s)_{z=s}-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}$$

$D=\boldsymbol{n}<n\wedge s>1\wedge I=\mathbb{k}+1\wedge \boldsymbol{s}=s+\mathbb{k}+1\wedge \mathbb{k}_z: z>1\Rightarrow$

$${}^{0}S_D^{İSO}=\prod_{z=3}^{s}\sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\sum_{(j_{ik})_{z-1}=z-1}^{(j_i)_{z-1}-1}\sum_{((j_i)_{z-1}=z\vee z=s\Rightarrow s)}^{((j_{ik})_{z+1}-1\vee \boldsymbol{n})}$$

$$\sum_{n_i=n}\sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=2}\mathbb{k}_i-(j_i)_1\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=2}^{s-1}\mathbb{k}_i-(j_i)_1+2\right)}^{\left(n-(j_i)_1-\sum_{i=1}\mathbb{k}_i+1\right)}$$

$$\sum_{(n_{ik})_{z-1}=(n_s)_{z-1}+(j_i)_{z-1}+\sum_{i=z-1}\Bbbk_i-(j_{ik})_{z-1}\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z-1}^{s-1}\Bbbk_i-(j_{ik})_{z-1}+2}^{(n_{ik})_{z-2}+(j_{ik})_{z-2}-(j_{ik})_{z-1}-\sum_{i=z-2}\Bbbk_i}$$

$$\sum_{\left((n_s)_{z-1}=(n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_i)_{z-1}-\sum_{i=z-1}\Bbbk_i\right)}^{(\ )}\ \sum_{i=2}^{\boldsymbol{n}-(j_i)_{z=s}+1}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}\right)!}{\left(D-s-(j_i)_{z-1}+(j_{ik})_{z-1}-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}+1\right)!}\cdot$$

$$\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_{z-1}-(n_s)_{z-1}-1)!}{((j_i)_{z-1}-(j_{ik})_{z-1}-1)!\cdot((n_{ik})_{z-1}+(j_{ik})_{z-1}-(n_s)_{z-1}-(j_i)_{z-1})!}\cdot$$

$$\frac{((n_s)_{z=s}-i-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s}-i+1)!}+$$

$$\prod_{z=3}^{s}\ \sum_{((j_i)_1=2)}^{((j_{ik})_3-1)}\ \sum_{(j_{ik})_{z-1}=z-1}^{(j_i)_{z-1}-1}\ \sum_{((j_i)_{z-1}=z\vee z=s\Rightarrow s)}^{((j_{ik})_{z+1}-1\vee \boldsymbol{n})}$$

$$\sum_{n_i=n}\ \sum_{\left((n_{ik})_1=(n_s)_2+(j_i)_2+\sum_{i=2}\Bbbk_i-(j_i)_1\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=2}^{s-1}\Bbbk_i-(j_i)_1+2\right)}^{\left(n-(j_i)_1-\sum_{i=1}\Bbbk_i+1\right)}$$

$$\sum_{(n_{ik})_{z-1}=(n_s)_{z-1}+(j_i)_{z-1}+\sum_{i=z-1}\Bbbk_i-(j_{ik})_{z-1}\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z-1}^{s-1}\Bbbk_i-(j_{ik})_{z-1}+2}^{(n_{ik})_{z-2}+(j_{ik})_{z-2}-(j_{ik})_{z-1}-\sum_{i=z-2}\Bbbk_i}$$

$$\sum_{\left((n_s)_{z-1}=(n_s)_z+(j_i)_z+\sum_{i=z}\Bbbk_i-(j_i)_{z-1}\vee z=s\Rightarrow \boldsymbol{n}+\sum_{i=z}^{s-1}\Bbbk_i-(j_i)_{z-1}+2\right)}^{\left((n_{ik})_{z-1}+(j_{ik})_{z-1}-(j_i)_{z-1}-\sum_{i=z-1}\Bbbk_i-1\right)}\ \sum_{i=2}^{\boldsymbol{n}-(j_i)_{z=s}+1}$$

$$\frac{(D-s)!}{(D-s-(j_i)_1+2)!}\cdot\frac{\left(D-s-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}\right)!}{\left(D-s-(j_i)_{z-1}+(j_{ik})_{z-1}-\left(j_{ik}-j_{sa}^{ik}\right)_{z-1}+1\right)!}\cdot$$

$$\frac{(D-(j_i)_{z=s})!}{(D-\boldsymbol{n})!}\cdot$$

$$\frac{(n-(n_{ik})_1-1)!}{((j_i)_1-2)!\cdot(n-(n_{ik})_1-(j_i)_1+1)!}\cdot$$

$$\frac{((n_{ik})_{z-1}-(n_s)_{z-1}-1)!}{((j_i)_{z-1}-(j_{ik})_{z-1}-1)!\cdot((n_{ik})_{z-1}+(j_{ik})_{z-1}-(n_s)_{z-1}-(j_i)_{z-1})!}\cdot$$

$$\left(\frac{((n_s)_{z=s}-2)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s})!}+\right.$$

$$\left.\frac{((n_s)_{z=s}-i-1)!}{((n_s)_{z=s}+(j_i)_{z=s}-\boldsymbol{n}-2)!\cdot(\boldsymbol{n}-(j_i)_{z=s}-i+1)!}\right)$$

Örnek D49; *DNA kopyalanmasında Helikalas proteini, kopyalanma çatalında ikili sarmalı tersine döndürerek eski iki zincire ayırır. 100 genden oluşan özel bir DNA'nın bir geninin bir ipliği adenin (A), guanin (G) ve sitozinin (C) farklı dizilimi ve beş timinin (T) bu üç azotlu bazın olasılık dağılımlarına bağımsız olasılıkla dağılımından oluşsun. Bir iplikteki AGC simetrisi kopyalanma çatalı olsun. Bu çatalın timinle başlayıp sonraki ilk farklı dizilimli azotlu bazı adenin olan ve adeninle başlayan dağılımlardaki AGCT düzgün olmayan simetrik yapılarının bulunduğu ökaryotik hücrelerde* $5'$ *ucunun bulunduğunu kabul edelim*[1]. *Helikalas proteini ve DNA polimeraz enzimi* $5'$ *ucunda kopyalanma hatasında düzeltme yapamıyorsa, a) DNA'da* $5'$ *uclu kopyalanma hatası ne kadardır? b)timinle başlayan dağılımlardaki* $5'$ *uçlu kopyalanma hatası nekadardır? c) adeninle başlayan dağılımlardaki* $5'$ *uçlu kopyalanma hatası nekadardır?*

$DNA = 100\, gen, her\ gen\ için\ D = 3, n = 8, \imath = 5, I = 1\ ve\ \boldsymbol{s} = 4 \Rightarrow$

a) $^{0}S^{\text{İ}so} = ?\ ve\ {}^{0}S^{\text{İ}so}\cdot 100 = ?$ *b)* $^{0}S_0^{\text{İ}so} = ?\, ve\ {}^{0}S_0^{\text{İ}so}\cdot 100 = ?\, ve$

c) $^{0}S_D^{\text{İ}so} = ?\, ve\ {}^{0}S_D^{\text{İ}so}\cdot 100 = ?$

Bu örnek 3. seviyeden soru ve 3. seviyeden problemdir.

a)

$^{0}S^{\text{İ}so} =$

$$\frac{n!\cdot(n-\imath-\boldsymbol{s}+I)!}{(\imath-I)!}\cdot\left(\sum_{i=\boldsymbol{s}-I}^{n-\imath}\mp\frac{(\imath-I+i)!}{i!\cdot(\imath+i)!\cdot(n-\imath-i)!}\right)-$$

$$\frac{(n-\boldsymbol{s}+1)!}{(\imath-I)!\cdot(n-\imath-\boldsymbol{s}+I+1)}$$

[1] Bu sorunun biyoloji kısmı için Campel, N. A. ve Reece J. B. "Biyoloji", ss: 296-300 bakılabilir

$$^{0}S^{\text{İso}} = \frac{8!\cdot(8-5-4+1)!}{(5-1)!}\cdot\left(\sum_{i=4-1}^{8-5}\mp\frac{(5-1+i)!}{i!\cdot(5+i)!\cdot(8-5-i)!}\right)-\frac{(8-4+1)!}{(5-1)!\cdot(8-5-4+1+1)}$$

$$^{0}S^{\text{İso}} = \frac{8!}{4!}\cdot\left(\sum_{i=3}^{3}\mp\frac{(4+i)!}{i!\cdot(5+i)!\cdot(3-i)!}\right)-\frac{5!}{4!}$$

$$^{0}S^{\text{İso}} = \frac{8!}{4!}\cdot\left(\frac{(4+3)!}{3!\cdot(5+3)!\cdot(3-3)!}\right)-\frac{5!}{4!}$$

$$^{0}S^{\text{İso}} = 30$$

$$^{0}S^{\text{İso}}\cdot 100 = 30\cdot 100 = 3.000$$

ökaryotik hücrenin DNA'sında $5'$ *uçlu 3.000 kopyalanma hatası oluşur.*

b)

$$^{0}S_{0}^{\text{İso}} = \frac{(n-1)!\cdot(n-\iota-\boldsymbol{s}+I)!}{(\iota-I-1)!}\cdot\left(\sum_{i=\boldsymbol{s}-I}^{n-\iota}\mp\frac{(\iota-I+i-1)!}{i!\cdot(\iota+i-1)!\cdot(n-\iota-i)!}\right)-\frac{(n-\boldsymbol{s})!}{(\iota-I-1)!\cdot(n-\iota-\boldsymbol{s}+I+1)}$$

$$^{0}S_{0}^{\text{İso}} = \frac{(8-1)!\cdot(8-5-4+1)!}{(5-1-1)!}\cdot\left(\sum_{i=4-1}^{8-5}\mp\frac{(5-1+i-1)!}{i!\cdot(5+i-1)!\cdot(8-5-i)!}\right)-\frac{(8-4)!}{(5-1-1)!\cdot(8-5-4+1+1)}$$

$$^{0}S_{0}^{\text{İso}} = \frac{7!}{3!}\cdot\left(\sum_{i=3}^{3}\mp\frac{(3+i)!}{i!\cdot(4+i)!\cdot(3-i)!}\right)-\frac{4!}{3!}$$

$$^{0}S_{0}^{\text{İso}} = \frac{7!}{3!}\cdot\left(\frac{6!}{3!\cdot 7!\cdot 0!}\right)-\frac{4!}{3!}$$

$$^{0}S_{0}^{\text{İso}} = 16$$

$${}^{0}S_{0}^{\text{iso}} \cdot 100 = 16 \cdot 100 = 1.600$$

ökaryatik hücrenin DNA'sında $5'$ *uçlu 3.000 kopyalanma hatasının 1.600'ü timin ile başlayan dağılımlarda bulunur.*

c)

$${}^{0}S_{D}^{\text{iso}} = \frac{n! \cdot (\boldsymbol{s} + \iota - 2 \cdot I - 1)!}{(\boldsymbol{s} - I - 1)! \cdot (\iota - I)! \cdot (\boldsymbol{s} + \iota - I - 1)! \cdot (n - \iota - \boldsymbol{s} + I + 1)} \cdot \left(1 - \frac{(\boldsymbol{s} + \iota - I - 1)}{n}\right) - \frac{(n - \boldsymbol{s})!}{(\iota - I)!}$$

$${}^{0}S_{D}^{\text{iso}} = \frac{8! \cdot (4 + 5 - 2 \cdot 1 - 1)!}{(4 - 1 - 1)! \cdot (5 - 1)! \cdot (4 + 5 - 1 - 1)! \cdot (8 - 5 - 4 + 1 + 1)} \cdot \left(1 - \frac{(4 + 5 - 1 - 1)}{8}\right) - \frac{(8 - 4)!}{(5 - 1)!}$$

$${}^{0}S_{D}^{\text{iso}} = \frac{8! \cdot 6!}{2! \cdot 4! \cdot 7! \cdot 1} \cdot \left(1 - \frac{7}{8}\right) - \frac{4!}{4!}$$

$${}^{0}S_{D}^{\text{iso}} = 14$$

$${}^{0}S_{D}^{\text{iso}} \cdot 100 = 14 \cdot 100 = 1.400$$

ökaryotik hücrenin DNA'sında $5'$ *uçlu 3.000 kopyalanma hatasının 1.400'ü ise adenin ile başlayan dağılımlarda bulunur.*

BAĞIMLI DURUMLA BAŞLAYAN DAĞILIMLARDA BİR BAĞIMLI-BİR BAĞIMSIZ DURUMLU İLK DÜZGÜN OLMAYAN SİMETRİK BULUNMAMA OLASILIĞI

Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde $\{1,0\}$, bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardan, simetrinin başladığı bağımlı durumla başlayan dağılımlardan düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısı; bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımın başladığı duruma göre tek simetrik olasılıktan, bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı durumun bağımsız tek simetrik olasılığın ve bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılığın çıkarılmasına eşit olur. Simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde, bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardan, simetrinin başladığı bağımlı durumla başlayan dağılımlarda ilk düzgün olmayan simetrik bulunmama olasılığı için,

$$ {}^{0}S_{D}^{\dot{I}SO,B} = \left({}_{0,T}^{\,1}S_{1}^{1} - {}_{0,1t}^{\,1}S_{1}^{1} \right) - {}^{0}S_{D}^{\dot{I}SO} $$

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlarda, simetri bir bağımlı durumla başlayıp bir bağımsız durumla bittiğinde; simetrinin bağımlı durumuyla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız durumlı bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı*** denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı ${}^{0}S_{D}^{\dot{I}SO,B}$ ile gösterilecektir.

BAĞIMLI DURUMLA BAŞLAYAN DAĞILIMLARDA BAĞIMLI-BİR BAĞIMSIZ DURUMLU İLK DÜZGÜN OLMAYAN SİMETRİK BULUNMAMA OLASILIĞI

Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde $\{1,2,3,4,5,0\}$ veya $\{1,2,\mathbf{0},\mathbf{0},\mathbf{0},3,4,\mathbf{0},\mathbf{0},5,0\}$, bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardan, simetrinin başladığı bağımlı durumla başlayan dağılımlardan düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısı; bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımın başladığı duruma göre tek simetrik olasılıktan, bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı durumun bağımsız tek simetrik olasılığın ve bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik olasılığın çıkarılmasına eşit olur. Simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde, bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlardan, simetrinin başladığı bağımlı durumla başlayan dağılımlarda ilk düzgün olmayan simetrik bulunmama olasılığı için,

$$ {}^{0}S_{D}^{\dot{I}SO,B} = \left({}_{0,T}^{1}S_{1}^{1} - {}_{0,1t}^{1}S_{1}^{1} \right) - {}^{0}S_{D}^{\dot{I}SO} $$

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli dağılımlarda, simetri bağımlı durumla başlayıp, bir bağımsız durumla bittiğinde; simetrinin ilk bağımlı durumuyla başlayan dağılımlardan, düzgün olmayan simetrik durumların bulunmadığı dağılımların sayısına ***bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı*** denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimli bağımlı-bir bağımsız durumlu bağımlı ilk düzgün olmayan simetrik bulunmama olasılığı ${}^{0}S_{D}^{\dot{I}SO,B}$ ile gösterilecektir.

BÖLÜM D İLK DÜZGÜN OLMAYAN SİMETRİK OLASILIK ÖZET

- Bağımlı ve bir bağımsız olasılıklı farklı dizilimli olasılık dağılımlarından, simetrinin ilk bağımlı durumuyla başlayan ve bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetrinin ilk bağımlı durumu bulunan dağılımlardaki, düzgün olmayan simetrik olasılıklar; ilk simetrik olasılıktan, ilk düzgün simetrik olasılığın farkına eşit olur.

$$S^{İso} = S^{İs} - S^{İss}$$
veya
$${}_0S^{İso} = {}_0S^{İs} - {}_0S^{İss}$$
veya
$${}^0S^{İso} = {}^0S^{İs} - {}^0S^{İss}$$

- Bağımlı ve bir bağımsız olasılıklı farklı dizilimli olasılık dağılımlarından, bağımsız durumla başlayıp sonraki ilk bağımlı durumunda simetrinin ilk bağımlı durumu bulunan dağılımlardaki, düzgün olmayan simetrik olasılıklar; aynı dağılımlardaki ilk simetrik olasılıktan, ilk düzgün simetrik olasılığın farkına eşit olur.

$$S_0^{İso} = S_0^{İs} - S_0^{İss}$$
veya
$${}_0S_0^{İso} = {}_0S_0^{İs} - {}_0S_0^{İss}$$
veya
$${}^0S_0^{İso} = {}^0S_0^{İs} - {}^0S_0^{İss}$$

- Bağımlı ve bir bağımsız olasılıklı farklı dizilimli olasılık dağılımlarından, simetrinin ilk bağımlı durumuyla başlayan dağılımlardaki, düzgün olmayan simetrik olasılıklar; aynı dağılımlardaki ilk simetrik olasılıktan, ilk düzgün simetrik olasılıkların farkına eşit olur.

$$S_D^{İso} = S_D^{İs} - S_D^{İss}$$
veya
$${}_0S_D^{İso} = {}_0S_D^{İs} - {}_0S_D^{İss}$$
veya
$${}^0S_D^{İso} = {}^0S_D^{İs} - {}^0S_D^{İss}$$

DİZİN

VDOİHİ'de Olasılık ve İhtimal konularının tanım ve eşitlikleri verilmektedir. Ayrıca VDOİHİ'de olasılık ve ihtimalin uygulama alanlarına da yer verilmektedir. VDOİHİ konu anlatım ciltleri ve aynı cilt numaraları ile soru, problem ve ispat çözümlerinden oluşmaktadır. Bu cilt, bağımlı ve bir bağımsız olasılıklı farklı dizilimli bir bağımlı-bir bağımsız ve bağımlı-bir bağımsız durumlu simetrinin, simetrinin ilk bağımlı durumuyla başlayan dağılımlardaki ilk düzgün olmayan simetrik olasılığı ve ilk düzgün olmayan simetrik bulunmama olasılıklarının tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimli Bir Bağımlı-Bir Bağımsız ve Bağımlı-Bir Bağımsız Durumlu Simetrinin Bağımlı Durumla Başlayan Dağılımlardaki İlk Düzgün Olmayan Simetrik Olasılık kitabında, bağımlı durum sayısı, bağımlı olay sayısına eşit farklı dizilimli dağılımlar ve bir bağımsız olasılıklı dağılımla elde edilebilecek yeni olasılık dağılımlarından, simetrinin ilk bağımlı durumuyla 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 ilk düzgün olmayan simetrik olasılık eşitlikleri teorik yöntemle üretilmiştir. Tanım ve eşitliklerin üretilmesinde dış kaynak kullanılmamıştır.