

VDOİHİ

Bağımlı ve Bir Bağımsız Olasılıklı
Farklı Dizilimsiz Bağımlı Durumlu
Simetrinin Herhangi İki Durumuna
Bağlı İlk Düzgün Olmayan Simetrik
Olasılık

Cilt 2.3.2.3.4.1.1.5

İsmail YILMAZ

2023

Matematik / İstatistik / Olasılık

ISBN: 978-625-6526-32-7

© 1. e-Basım, Mayıs 2023

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık Cilt 2.3.2.3.4.1.1.5

İsmail YILMAZ

Copyright © 2023 İsmail YILMAZ

Bu kitabın (cildin) bütün hakları yazara aittir. Yazarın yazılı izni olmaksızın, kitabın tümünün veya bir kısmının elektronik, mekanik ya da fotokopi yoluyla basımı, yayımı, çoğaltımı ve dağıtım yapılamaz.

KÜTÜPHANE BİLGİLERİ

Yılmaz, İsmail.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık-Cilt 2.3.2.3.4.1.1.5 / İsmail YILMAZ

e-Basım, s. XXV + 526

Kaynakça yok, dizin var

ISBN: 978-625-6526-32-7

1. Bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık

Dili: Türkçe + Matematik Mantık



Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına



M. Atatürk

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, yüksek lisans eğitimini Sakarya Üniversitesi Fen Bilimleri Enstitüsü Fizik Anabilim Dalında 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 deklaratif bilgi yapılarıyla birlikte matematik mantık yapıları üzerine çalışmalar yapmıştır. Yazarın farklı alanlarda yapmış olduğu çalışmaları arasında ölçme ve değerlendirmeye yönelik çalışmaları da mevcuttur.

VDOİHİ

Veri Değişkenleri Olasılık ve İhtimal Hesaplama İstatistiği (VDOİHİ) ile olasılık ve ihtimal yasa konumuna getirilmiştir.

VDOİHİ’de Olasılık;

- ✓ Makinaların insan gibi düşünebilmesini, karar verebilmesini ve davranışabilmesini sağlayacak gerçek yapay zekayla ilişkilendirilmiştir.
- ✓ Dillerin matematik yapısı olduğu gösterilmiştir.
- ✓ Tüm tabanlarda, tüm dağılım türlerinde ve istenildiğinde dağılım türü ve tabanı değiştirerek çalışabilecek elektronik teknolojisinin temelidir.
- ✓ Teorik kabullerle genetikle ilişkilendirilmiştir.
- ✓ Bilgi merkezli değerlendirme yöntemidir.

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

İÇİNDEKİLER

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar	1
Simetriden Seçilen İki Duruma Göre İlk Düzgün Olmayan Simetrik Olasılık	3
Dizin	5

GÜLDÜNYA

Simge ve Kısalmalar

n: olay sayısı

n: bağımlı olay sayısı

m: bağımsız olay sayısı

t: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

l: simetrinin bağımlı durumlarından önce bulunan bağımsız durum sayısı

I: simetrinin bağımlı durumlarından sonra bulunan bağımsız durum sayısı

k: simetrinin bağımlı durumları arasındaki bağımsız durumların sayısı

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

l: ilgilenilen bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l_i: simetrinin ilk bağımlı durumunun, bağımlı olasılık farklı dizilimsiz dağılımin son olayı için sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

l_i: simetrinin son bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin birinci bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

l_s: simetrinin ilk bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz

dağılımlardaki sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

l_{ik}: simetrinin aranacağı durumdan önce bulunan bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası veya simetrinin iki bağımlı durumu arasında bağımsız durum bulunduğuanda, bağımsız durumdan önceki bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

l_{sa}: simetrinin aranacağı bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin aranacağı bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

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 ($j_{sa}^i = s$)

j_{ik}: simetrinin ikinci olayındaki durumun, gelebileceği olasılık dağılımlardaki 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 bulunduğuanda bağımsız durumdan önceki bağımlı durumun bağımlı olasılıklı dağılımlarda bulunabileceği olayların son olaydan itibaren sırası

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

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

j_s : simetrinin ilk bağımlı durumunun, bağımlı olasılıklı dağılımlarda bulunabilecegi 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

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

m : olasılık

M : olasılık dağılım sayısı

U : uyum eşitliği

u : uyum derecesi

s_i : olasılık dağılımı

$f_z S_{j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabilecegi oylara göre ilk simetrik olasılık

$f_z S_{j_i,0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabilecegi oylara göre ilk simetrik olasılık

$f_z S_{j_i,D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabilecegi oylara göre ilk simetrik olasılık

$f_z S_{j_i,0}^{0S}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu simetrinin son durumunun bulunabilecegi oylara göre ilk simetrik olasılık

$f_z S_{j_i,D}^{0S}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabilecegi oylara göre ilk simetrik olasılık

$f_z S_{j_i,D}^{0S}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabilecegi oylara göre ilk simetrik olasılık

$f_z S_{j,sa}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı ilk simetrik olasılık

$f_z S_{j,sa,0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı ilk simetrik olasılık

$f_z S_{j,sa,D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı ilk simetrik olasılık

$f_z S_{j,s,j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j,s,j_i,0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j,s,j_i,D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j,s,j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j,s,j_i,0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s,j_i,D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

${}^0 S_{j_s,j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

${}^0 S_{j_s,j_i,0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

${}^0 S_{j_s,j_i,D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s,j^{sa}}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s,j^{sa},0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir

durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s, j^{sa}, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_{z,0} S_{j_s, j^{sa}}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_{z,0} S_{j_s, j^{sa}, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_{z,0} S_{j_s, j^{sa}, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_{ik}, j^{sa}}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk simetrik olasılık

$f_z S_{j_{ik}, j^{sa}, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı ilk simetrik olasılık

$f_z S_{j_{ik}, j^{sa}, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı ilk simetrik olasılık

$f_z S_{j_{ik}, j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin her durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_{ik}, j_i, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin her durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_{ik}, j_i, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin her durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$f_{z,0} S_{j_s, j_{ik}, j^{sa}}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki

durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa},0}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa},D}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fzS_{j_s,j_{ik},j_i}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fzS_{j_s,j_{ik},j_i,0}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fzS_{j_s,j_{ik},j_i,D}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz,0S_{j_s,j_{ik},j_i}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz,0S_{j_s,j_{ik},j_i,0}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz,0S_{j_s,j_{ik},j_i,D}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz^0S_{j_s,j_{ik},j_i}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz^0S_{j_s,j_{ik},j_i,0}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fz^0S_{j_s,j_{ik},j_i,D}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa},j_i}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

${}_{fz}S_{j_s, j_{ik}, j^{sa}, j_t, 0}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz}S_{j_s, j_{ik}, j^{sa}, j_t, D}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz,0}S_{j_s, j_{ik}, j^{sa}, j_t}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz,0}S_{j_s, j_{ik}, j^{sa}, j_t, 0}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz,0}S_{j_s, j_{ik}, j^{sa}, j_t, D}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz}^0S_{j_s, j_{ik}, j^{sa}, j_t}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz,0}^0S_{j_s, j_{ik}, j^{sa}, j_t, 0}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son

durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz}^0S_{j_s, j_{ik}, j^{sa}, j_t, D}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabilecegi olaylara göre ilk simetrik olasılık

${}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabilecegi olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık

${}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, 0}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabilecegi olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık

${}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, D}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabilecegi olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık

${}_{fz,0}S_{\Rightarrow j_s, j_{ik}, j^{sa}}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabilecegi olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık

${}_{fz,0}S_{\Rightarrow j_s, j_{ik}, j^{sa}, 0}^{\text{IS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve

herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j^{sa}, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, j_{ik}, j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, j_{ik}, j_i, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, j_{ik}, j_i, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j_i, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j_i, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

${}^0fzS_{\Rightarrow j_s, j_{ik}, j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

${}^0fzS_{\Rightarrow j_s, j_{ik}, j_i, 0}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

${}^0fzS_{\Rightarrow j_s, j_{ik}, j_i, D}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{IS}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son

durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{is}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{is}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{is}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{is}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{is}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

${}^0fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{is}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun

bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

${}^0fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ls}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

${}^0fzS_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ls}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{\text{ls}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i, 0}^{\text{ls}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fzS_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i, D}^{\text{ls}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s,\Rightarrow j_{ik},j^{sa},j_i}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s,\Rightarrow j_{ik},j^{sa},j_i,0}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fz,0S_{\Rightarrow j_s,\Rightarrow j_{ik},j^{sa},j_i,D}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fz^0S_{\Rightarrow j_s,\Rightarrow j_{ik},j^{sa},j_i}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fz^0S_{\Rightarrow j_s,\Rightarrow j_{ik},j^{sa},j_i,0}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fz^0S_{\Rightarrow j_s,\Rightarrow j_{ik},j^{sa},j_i,D}^{is}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk simetrik olasılık

$fzS_{j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz^0S_{j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz^0S_{j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz^0S_{j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j,sa}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı ilk düzgün simetrik olasılık

$fzS_{j,sa,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı ilk düzgün simetrik olasılık

$fzS_{j,sa,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı ilk düzgün simetrik olasılık

fzS_{j,s,j_i}^{iss} : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j,s,j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j,s,j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

fz,S_{j,s,j_i}^{iss} : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,S_{j,s,j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,S_{j,s,j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

${}^0S_{j,s,j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

${}^0S_{j,s,j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

${}^0S_{j,s,j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j,s,j,sa}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j,s,j,sa,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir

durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j^{sa},D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j^{sa},0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j^{sa},D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_{ik},j^{sa}}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk düzgün simetrik olasılık

$fzS_{j_{ik},j^{sa},0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı ilk düzgün simetrik olasılık

$fzS_{j_{ik},j^{sa},D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa}}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa},0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa},D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa}}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa},0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa},D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa},j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa},j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_s,j_{ik},j^{sa},j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz_0S_{j_s,j_{ik},j^{sa},j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa},j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fz,0S_{j_s,j_{ik},j^{sa},j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$^0S_{j_s,j_{ik},j^{sa},j_i}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$^0S_{j_s,j_{ik},j^{sa},j_i,0}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$^0S_{j_s,j_{ik},j^{sa},j_i,D}^{iss}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$fzS_{j_i}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği

olaylara göre ilk düzgün olmayan simetrik olasılık

$fzS_{j_i,0}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$fzS_{j_i,D}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$^0S_{j_i}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$^0S_{j_i,0}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$^0S_{j_i,D}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$fzS_{j^{sa}}^{iso}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,0}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,D}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_i}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_i,0}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_i,D}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s,j_i}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s,j_i,0}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s,j_i,D}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}^0 f_z S_{j_s,j_i}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}^0 f_z S_{j_s,j_i,0}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}^0 f_z S_{j_s,j_i,D}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_s}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_s,0}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_s,D}^{ISO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu

bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s, j^{sa}}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s, j^{sa}, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s, j^{sa}, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara

$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{j_{ik}, j^{sa}, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{j_{ik}, j^{sa}, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s, j_{ik}, j^{sa}}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s, j_{ik}, j^{sa}, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s, j_{ik}, j^{sa}, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$f_z S_{j_s, j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son

durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}S_{j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}S_{j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz,0}S_{j_s, j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz,0}S_{j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz,0}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

${}_{fz}^0S_{j_s, j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}^0S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir

bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}^0S_{j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

${}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

${}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

${}_{fz,0}S_{\Rightarrow j_s, j_{ik}, j^{sa}}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0}S_{\Rightarrow j_s, j_{ik}, j^{sa}, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0}S_{\Rightarrow j_s, j_{ik}, j^{sa}, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, j_{ik}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, j_{ik}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, j_{ik}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0}S_{\Rightarrow j_s, j_{ik}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0}S_{\Rightarrow j_s, j_{ik}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0}S_{\Rightarrow j_s, j_{ik}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

${}^0f_z S_{\Rightarrow j_s, j_{ik}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

${}^0f_z S_{\Rightarrow j_s, j_{ik}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

${}^0f_z S_{\Rightarrow j_s, j_{ik}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara bağlı ilk düzgün olmayan simetrik olasılık

$f_{z,0} S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara

${}^0 f_z S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

${}^0 f_z S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

${}^0 f_z S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$f_z S_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$fzS_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$fz,0S_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$fz,0S_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

$fz,0S_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

${}^0S_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

${}^0S_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i, 0}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir

bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

${}^0S_{\Rightarrow j_s \Rightarrow j_{ik}, j^{sa}, j_i, D}^{\text{ISO}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı ilk düzgün olmayan simetrik olasılık

E2

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar

- Simetrik Olasılık
- Toplam Düzgün Simetrik Olasılık
- Toplam Düzgün Olmayan Simetrik Olasılık
- İlk Simetrik Olasılık
- İlk Düzgün Simetrik Olasılık
- İlk Düzgün Olmayan Simetrik Olasılık
- Tek Kalan Simetrik Olasılık
- Tek Kalan Düzgün Simetrik Olasılık
- Tek Kalan Düzgün Olmayan Simetrik Olasılık
- Kalan Simetrik Olasılık
- Kalan Düzgün Simetrik Olasılık
- Kalan Düzgün Olmayan Simetrik Olasılık

bu üye sıralama sırasıyla elde edilebilir kurallı tablolar kullanılmaktadır. Farklı dizilimsiz dağılımlarda durumların küçükten büyükeye sıralama için verilen eşitliklerde kullanılan durum sayılarının düzenlenmesiyle, büyükten-küçüğe sıralama durumlarının eşitlikleri elde edilebilir.

Farklı dizilimsiz dağılımlar, dağılımin ilk durumuyla başlayan (bunun yerine farklı dizilimsiz dağılımlarda simetrinin ilk durumuyla başlayan dağılımlar), dağılımin ilk durumu hâncinde eşitimin herhangi bir durumuyla başlayan dağılımlar (bunun yerine farklı dizilimsiz simetride bulunmayan bir durumla başlayan dağılımlar) ve dağılımin ilk durumu ikinci olmakta dağılımının başladığı farklı ikinci durumla başlayıp simetrinin ilk durumuyla başlayan dağılımların sonuna kadar olan dağılımlarda (bunun yerine farklı dizilimsiz dağılımlarda simetride bulunmayan diğer durumlarla başlayan dağılımlar) simetrik, düzgün simetrik, düzgün olmayan simetrik v.d. incelenir. Bağımlı dağılımlardaki incelenen başlıklar, bağımlı ve bir bağımsız olasılıklı dağılımlarda, bağımsız durumla ve bağımlı durumla başlayan dağılımlar olarak da incelenir.

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

Bağımlı dağılım ve bir bağımsız olasılıklı durumla oluşturulabilecek dağılımlara ve bağımlı olasılıklı dağılımların kesişen olay sağlığından (bağımlı olay sağısı) büyük olay sağları (bağımsız olay sağısı) dağılımla bağımlı ve bir bağımsız olasılık dağılımlar elde edilir. Bağımlı dağılım farklı dizilimsiz dağılımlarla karşılaştığında, bu dağılımlara bağımlı ve bir bağımsız olasılık farklı dizilimsiz dağılımlar denir. Bağımlı ve bir bağımsız olasılıklı dağılımlar; bağımlı dağılımlara, bağımsız durumlar ilk sağdan dağıtılmaya başlanarak tabloları elde edilir. Bu bölümde verilen eşitlikler, bu yöntemle elde edilen kurallı tablolara göre verilmektedir. Farklı dizilimsiz dağılımlarda durumların küçükten-

Bağımlı dağılımlar; a) olasılık dağılımlardaki simetrik, (toplam) düzgün simetrik ve (toplam) düzgün olmayan simetrik b) ilk simetrik, ilk düzgün simetrik ve ilk düzgün olmayan simetrik c) tek kalan simetrik, tek kalan düzgün simetrik ve tek kalan düzgün olmayan simetrik ve d) kalan simetrik, kalan düzgün simetrik ve kalan düzgün olmayan simetrik olasılıklar olarak incelendiğinden, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda bu başlıklarla incelenmeye birlikte, bu simetrik olasılıkların bağımsız durumla başlayan ve bağımlı durumlariyla başlayan dağılımlara göre de tanım eşitlikleri verilmektedir.

Farklı dizilimsiz dağılımlarda simetrinin durumlarının olasılık dağılımındaki sıralama simetrik olasılıkları etkilediğinden, bu bağımlı ve bir bağımsız olasılıkları farklı dizilimsiz dağılımları da etkiler. Bu nedenle bağımlı ve bir bağımsız olasılıkları farklı dizilimsiz dağılımlarda, simetrinin durumlarının bulunabileceği oylara göre simetri olasılık eşitlikleri, simetrinin durumlarının olasılık dağılımındaki sıralamalarına göre ayrı ayrı verilecektir. Bu eşitliklerin elde edilmesinde bağımlı olasılıklı farklı dizilimsiz dağılımlarda simetrinin durumlarının bulunabileceği oylara göre çıkarılan eşitlikler kullanılacaktır. Bu eşitlikler, bir bağımlı ve bir bağımsız olasılıklı dağılımlar için VDC Üçgeni'nden çıkarılan eşitliklerle birleştirilerek, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımların yeni eşitlikleri elde edilecektir. Eşitlikleri adlandırıldığında bağımlı olasılıklı farklı dizilimsiz dağılımlarda kullanılan adlandırmalar kullanılacaktır. İlgili adların başına simetrinin bağımlı ve bağımsız durumlarına göre ve dağılımının bağımsız veya bağımlı durumla başlamasına göre “Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı/bağımsız-bağımlı/bağımlı-bir bağımsız/bağımlı-bağımsız/bağımsız-bağımsız” kelimeleri getirilerek, simetrinin bağımlı durumlarının bulunabileceği oylara göre bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz adları elde edilecektir. Simetriden seçilen durumların bulunabileceği oylara göre simetrik, düzgün simetrik veya düzgün olmayan simetrik olasılık için birden fazla durum kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

Simetriden durumlarının bağımlı olasılık farklı dizilimsiz dağılımlardaki sırasına göre verilen eşitliklerdeki toplam ve toplam sınır değerleri, simetrinin küçükten-büyük'e sıralanan dağılımlarına göre verildiği gibi bu dağılımlarda da aynı sıralama kullanılmaya devam edilecektir. Bağımlı olasılıklı farklı dizilimsiz dağılımlarda olduğu gibi bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda da aynı eşitliklerde simetrinin durum sayıları düzenlenerken büyükten-küçüğe sıralanan dağılımlar için de simetrik olasılık eşitlikleri elde edilecektir.

Bu nedenle bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayan ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu olası olasılıklı dağılımın ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılığın eşitlikleri verilmektedir.

SİMETRİDEN SEÇİLEN İKİ DURUMA GÖRE İLK DÜZDÜN OLMAYAN SİMETRİK OLASILIK

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

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

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

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

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{İSDÜ}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} \right) +$$

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

$$D > \mathbf{n} < n$$

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

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

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

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

$$\frac{(\mathfrak{l}_{ik} - j_{sa})!}{(\mathfrak{l}_{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathfrak{l}_{sa} - \mathfrak{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - \mathfrak{l}_{sa} - \mathfrak{l}_{ik} - 1)! \cdot (j_{sa} + j_{ik} - \mathfrak{l}_{sa} - j_{sa})!}.$$

$$\frac{(\mathcal{D} - j_{sa} - \mathfrak{l}_{sa} - s)!}{(\mathfrak{n} + j^{sa} - \mathbf{n} - \mathfrak{l}_{sa} - 1)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\Delta} \sum_{(j_{ik} = \mathfrak{j}_{sa} + j_{sa}^{ik} - j_{sa})}^{\big(\big)} \sum_{j^{sa} = \mathfrak{l}_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\big(\big)}$$

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

$$\frac{(\mathfrak{l}_s - 2)!}{(\mathfrak{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathfrak{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathfrak{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathfrak{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{l_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-1)}^{(n+j_{sa}^{ik}-s)} \sum_{j_{sa}=l_{ik}+j_{sa}+j_{sa}^{ik}}^{(n+j_{sa}^{ik}-s)} \right. \\ \frac{(n_i - n_{ik} + 1)!}{(n_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j_{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} \Bigg) + \\ \left(\sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-1)}^{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j_{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik} + j_{ik} - j_{sa} - \mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa})!} \cdot$$

$$D > \mathbf{n} < n$$

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

$$\frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!}.$$

$$\frac{(\mathbf{l}_{sa}+j_{sa}^{ik}-\mathbf{l}_{ik}-j_{sa})!}{(j_{ik}+\mathbf{l}_{sa}-j^{sa}-\mathbf{l}_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}.$$

$$\frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=\mathbf{l}_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{j_{ik}+j_{sa}-j_{sa}^{ik}+1}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!}.$$

$$\frac{(\mathbf{l}_{sa}+j_{sa}^{ik}-\mathbf{l}_{ik}-j_{sa})!}{(j_{ik}+\mathbf{l}_{sa}-j^{sa}-\mathbf{l}_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}.$$

$$\frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=\mathbf{l}_{i}+\mathbf{n}+j_{sa}^{ik}-D-s)}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!} \cdot \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbf{n} - s > 0 \wedge$$

$$j_{sa}^i \leq j_{sa}^{i-1} \wedge j_{sa}^{ik} = j_{sa}^{i-1} - 1 \wedge j_{sa}^s \leq j_{sa}^{i-1} - 1 \wedge$$

$$s: \{s_1, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{sa}, j_{sa}^i\} \wedge$$

$$\geq 4 \wedge s \geq s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa})}^{\text{()}} \sum_{j_{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s} \right. \\ \left. \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \right. \\ \left. \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \right).$$

$$D > \mathbf{n} < n$$

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\left(\sum_{k=1}^{\binom{j^{sa} + j_{sa}^{ik} - j_{sa}}{j_{ik} = l_{ik} + k - 1} - 1} \binom{n + j_{sa} - j^{sa} - s}{j^{sa} = l_{sa} + n - k} \right) \cdot$$

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

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

$$\sum_{k=1}^{\binom{n}{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}}} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{1})!} \cdot \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{1} > 0 \wedge$$

$$j_{sa}^i \leq j_{sa}^{i-1} \wedge j_{sa}^{ik} = j_{sa}^{i-1} - 1 \wedge j_{sa}^s \leq j_{sa}^{i-1} - 1 \wedge$$

$$s: \{ \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i-1}, j_{sa}^i \} \wedge$$

$$\geq 4 \wedge s > s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})} \right. \\ \left. \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}^{sa}+1}^{n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k}} \right)$$

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$\left(\sum_{k=1}^{\min\{l_{sa}+j_{sa}^{ik}-D-j_{ik}, n+j_{sa}-s\}} \sum_{j_{ik}=j_{sa}^{ik}+n-D}^{l_{sa}+j_{sa}^{ik}-D-j_{ik}} \right) +$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\min\{l_{sa}+j_{sa}^{ik}-D-j_{ik}, n+j_{sa}-s\}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

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

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

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

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

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

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

$$\left. \frac{(D - j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa} - 1)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) -$$

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

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

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

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

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

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

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_i+j_{sa}^{ik}-D-1)}^{\left(j^{sa}+j_{sa}^{ik}-j_{sa}\right)} \sum_{n_{sa}=l_i+n+j_{sa}-D-s}^{n_{sa}} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_i - n_{sa} - 1)!}{(j_{ik} - 1) \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik}) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ &\quad \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\ &\quad \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s} \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \end{aligned}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{sa}}^{j_{sa}} = \sum_{k=1}^{n_i} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s}$$

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D - s \\ j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}}^{(\mathbf{n} + j_{sa}^{ik} - s)} \sum_{n_i = n + \mathbb{k} + j_{ik} + 1}^{n + j_{sa}^{ik} - s} \sum_{n_{ik} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - \mathbb{k}}$$

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D - s \\ j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}}^{(\mathbf{n} + j_{sa}^{ik} - s)} \sum_{n_i = n + \mathbb{k}}^{n_i - j_s + 1}$$

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

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

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa})!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{i=1}^n \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{} \sum_{j^{sa} = \mathbf{l}_s + \mathbf{n} + j_{sa} - D - 1}^{(\)} \sum_{n_i = \mathbf{n} + \mathbb{k}}^{n} \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$\sum_{k=1}^{\binom{(\)}{()}} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\binom{(\)}{()}} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-\mathbb{k})}^{(n_i-j_s+1)} \frac{\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k}^{\binom{(\)}{()}} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s) \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!}.$$

$$\frac{(l_s-1)!}{(l_s+j_{sa}-j_{sa}-1)! \cdot (j_{ls}-j_{sa}-1)!} \cdot \frac{(D-1)!}{(D+j^{sa}+s-\mathbf{n}-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j$$

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

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^i = l_{ik} \wedge l_{sa} \wedge j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 1 > 0 \wedge$$

$$j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_1, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$\geq 4 \wedge s < s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\binom{(n+j_{sa}^{ik}-s)}{(n+j_{sa}^{ik}-s)}} \sum_{(j_{ik}=\mathbf{l}_s+\mathbf{n}+j_{sa}^{ik}-D-1)}^{\binom{(n_i-j_{ik}+1)}{(n_i-j_{ik}+1)}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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

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

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

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

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

$$\sum_{k=1}^{\min(n_{sa}, l_i + n + j_{sa}^{ik} - D)} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D \\ j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{\substack{n_{is}=n+k+j_{sa}^{ik}-j_{ik} \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-k}}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^s \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-s}} \sum_{\substack{j_{sa}^{ik} (n_{sa}=n_{ik}+j_{ik}-j^{sa}-s) \\ n_{is}=n+k+j_{sa}^{ik}-j_{ik}}}$$

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

$$(D - l_i)!$$

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

$$D \geq \mathbf{n} - \mathbf{s} \wedge l_s > D - \mathbf{s} + 1 \wedge$$

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

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

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

$$(D - l_i) < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = & \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \\
& \frac{(n_{sa} - s)!}{(n_{sa} - j^{sa} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(j_{ik} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(D + j_{sa})! \cdot \mathbf{l}_{sa} - s)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\
& \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \\
& \frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(\mathbf{D} - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik} = l_i + j_{sa}^{ik} - D - s) \\ (n_i = n + \mathbb{k})}} \sum_{\substack{(n_{ik} + j_{ik} - j_{sa}^{ik}) \\ (n_{ik} - j_{ik} + 1)}} \sum_{\substack{(n_{sa} = n - j_{sa} + 1) \\ (n_{sa} - j_{sa} + 1)}} \frac{(n + j_{sa}^{ik} - s)!}{(n_i - n_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik} = l_i + n + j_{sa}^{ik} - D - s)}} \sum_{\substack{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}) \\ (n_i = n + \mathbb{k}) \\ (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \frac{(n + j_{sa}^{ik} - s)!}{\sum_{i=1}^n \sum_{\substack{(n_{ik} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} (n_i - j_{sa} + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{()}^{()} (n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \big) \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s = \mathbb{k} \wedge \mathbf{l}_i = 0 \wedge$$

$$j_{sa} = j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j_{sa}^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

gündemi

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\varepsilon_z S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^n \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(n-s)} \sum_{n_i = \mathbf{n} + \mathbb{k}}^{n} \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\begin{aligned}
& \sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)} \\
& \quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\Delta)} \frac{(n_{sa}+j_{sa}-s-j_{sa}^{ik})!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)!(\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot \\
& \quad \frac{(l_s-\Delta)!}{(l_s+j_{sa}^s-j_{ik}-\Delta)!(j_{ik}+j_{sa}^{ik}-1)!} \cdot \\
& \quad \frac{(D-\Delta)!}{(D+j^{sa}+s-\mathbf{n}-j_{sa}^s-j_{sa})!(\mathbf{n}+j_{sa}-j^{sa}-s)!} \\
& ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
& j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee \\
& (D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
& j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge \\
& (D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge \\
& j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\
& \{j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge \\
& s \geq 4 \wedge s = s + \mathbb{k} \wedge \\
& \mathbb{k}_z : z = 1) \Rightarrow
\end{aligned}$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=l_{ik}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{n+j_{sa}-s}$$

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

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

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

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

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

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

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

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

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

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

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

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

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_Z S_{j_{ik}+j_{sa}-s} = \sum_{k=1}^n \sum_{(j_{ik}=l_i+n-k+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot \\
& \frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (s-l_i-1)!} \cdot \\
& \frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} \\
& ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
& j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \wedge l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee \\
& (D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
& j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge \\
& (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\
& j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\
& s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, \dots, j_{sa}^i, j_{sa}\} \wedge \\
& s \geq 4 \wedge s > \mathbf{n} + \mathbb{k} \wedge \\
& \vdots z = 1 \Rightarrow \\
& f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{\mathbf{n}+j_{sa}-s}
\end{aligned}$$

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

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

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

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

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

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

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

$$\sum_{k=1}^n \sum_{(j_{ik}=n+\mathbb{k}-j_{sa}^{ik}-j_{sa})}^{(\mathbf{n}+j_{sa}-l_i-s)} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

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

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f_z S_{j_{ik}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{\substack{(j_{ik} = l_{ik} - D) \\ n_i = n + \mathbb{k} (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}} \sum_{\substack{(n - j_{ik} + 1) \\ n_{sa} = n - j^{sa} + 1}} \sum_{\substack{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}) \\ n_{sa} = n - j^{sa} + 1}} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ &\quad \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \end{aligned}$$

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{n}+j_{sa}-s}$$

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

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

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

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

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

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

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

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{n}+j_{sa}^{ik}-s}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

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

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

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

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} \wedge j_{sa}^s \leq j_{sa}^{ik} \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k}$$

$$\mathbb{k}(z=1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\binom{j^{sa}+j_{sa}^{ik}-j_{sa}}{\mathbf{n}+j_{sa}-s}} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

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

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}, \\ j^{sa} = l_i + n + j_{sa} - D - s}}^{} n^{()}_{i-s-a-s}$$

$$\sum_{n_i = n + k}^{} \sum_{\substack{() \\ (n_i - j_{sa}) \\ (n_i - j_{sa} + k + j_{sa}^{ik} - j_{ik})}}^{} (n_i - j_{sa})$$

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge I > D - n + 1 \wedge$$

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

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

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - j_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_s + \mathbf{n} + j_{sa}^{ik} - D - 1)} \sum_{j^{sa} = l_s + \mathbf{n} - D}^{n + j_{sa} - s}$$

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

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

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

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

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

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

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

$$\sum_{k=1}^{(\)} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{(\)} \sum_{j^{sa} = l_t + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

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

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(\)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{(\)}$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z \neq 1 \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1)} \sum_{(j_{ik} = l_s + \mathbf{n} + j_{sa}^{ik} - D - 1)}^{n + j_{sa} - s} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - s}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - s \\ j_{sa} = j_{ik} + j_{sa}^{ik} - j_{sa}}}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{n_i = \mathbf{n} + \mathbb{k} + j_{ik} + 1}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{\substack{(n_i - j_{ik} - 1) \\ n_{ik} + j_{ik} = n_i - \mathbb{k}}}^{n_{ik} + j_{ik} - s - \mathbb{k}} \\ \frac{(n_i - n_{ik})!}{(n_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s \\ j^{sa} = j_{ik} + j_{sa}^{ik} - j_{sa}}}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{n_i = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik}}^{n_{sa} - s}$$

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

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

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa})!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$l_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

$$l_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} - j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = & \sum_{k=1}^{\lfloor l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1 \rfloor} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)}^{\mathbf{n}+j_{sa}-s} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - l_{sa} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=1}^{\lfloor n + j_{sa}^{ik} - s \rfloor} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{n+j_{sa}-s} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n+j_{sa}-s} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \frac{(\mathbf{n}_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\infty} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

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

$$\sum_{n_{ik}=n_i-j_{sa}^{ik}-j_{sa}}^{n_i} (n_{ik} - (n_{is} - j_{ik} - \mathbb{k}))$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

~~$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} - 1 \wedge$$~~

~~$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$~~

~~$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik}$$~~

~~$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_s + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$~~

~~$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D \wedge \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$~~

~~$$(D \geq \mathbf{n} < n \wedge I - \mathbb{m} \geq 0 \wedge$$~~

~~$$j_{sa} \leq j_{sa}^i - \mathbb{m} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$~~

~~$$\{s, i, sa, ik, \mathbb{m}, j_{sa}, \dots, j_{sa}^i\} \wedge$$~~

~~$$s \geq 4 \wedge s = \mathbb{s} \wedge$$~~

~~$$\mathbb{K}_z : z = 1) \Rightarrow$$~~

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

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

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

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

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

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

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

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{} \sum_{()}$$

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

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

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

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-s \\ n_i=n+\mathbb{k}(n_{ik}+\mathbb{k}-j_{ik}+1)}}^{\left(l_{ik}\right)} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \\ n_{sa}=n-j^{sa}+1}}^{\left(n_i-j_{ik}-1\right)+1} \frac{\sum_{\substack{(n_i-j_{ik}-1)+1 \\ n_i=n+\mathbb{k}(n_{ik}+\mathbb{k}-j_{ik}+1)}}^{\left(n_i-n_{ik}-j_{ik}+1\right)}}{\left(n_i-n_{ik}-j_{ik}+1\right)!} \cdot$$

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

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

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

$$\frac{\left(D+j_{sa}-\mathbf{l}_{sa}-s\right)!}{\left(D+j^{sa}-\mathbf{n}-\mathbf{l}_{sa}\right)! \cdot \left(\mathbf{n}+j_{sa}-j^{sa}-s\right)!} -$$

$$\sum_{k=1}^{\left(\mathbf{n}+j_{sa}^{ik}-s\right)} \sum_{\substack{\left(j_{ik}=l_i+n+j_{sa}^{ik}-D-s\right) \\ n_i=\mathbf{n}+\mathbb{k}\left(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik}\right)}}^{\left(n_i-j_s+1\right)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!}$$

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} \bullet_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik},j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right.$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j^{sa} - j_{sa}^{ik} - 1)! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

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

$$\sum_{n_l = n_{is} + \mathbb{k}}^{\infty} \sum_{\substack{() \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} j_{sa} + j_{sa}^{ik} - j_{sa} + 1$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}}^{\infty} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} j_{sa} + j_{sa}^{ik} - j_{sa} + 1$$

$$\frac{(\mathbf{n}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} - \mathbf{s} \wedge \mathbf{l}_s > 1 \wedge j_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + j_{sa} > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \left(\sum_{k=1}^n \sum_{\substack{(j_{ik}=j_{sa}^{ik}+1)}}^{\binom{l_{ik}}{}} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{} \right. \\ &\quad \sum_{n_i=n+\mathbb{K}}^n \sum_{\substack{(n_i-j_{ik}+1)}}^{} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{K}}}^{} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\ &\quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(\mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) + \\ &\quad \left(\sum_{k=1}^n \sum_{\substack{(j_{ik}=j_{sa}^{ik}+1)}}^{\binom{l_{ik}}{}} \sum_{\substack{l_{sa}}}^{} \right. \\ &\quad \sum_{n_i=n+\mathbb{K}}^n \sum_{\substack{(n_i-j_{ik}+1)}}^{} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{K}}}^{} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\ &\quad \left. \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right). \end{aligned}$$

$$\begin{aligned}
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) - \\
& \sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}} \\
& \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{s+1})} \\
& \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_{is} - j_{sa}^{ik})} \sum_{n_{sa} = n_{ik} + j_{ik} - j_{sa}^{ik} - \mathbb{k}}^{(\mathbf{n} - \mathbb{k})} \\
& \frac{(n_{is} - j_{sa} - s - 1)!}{(n_{is} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (n_{is} + l_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(n_{is} - j_{sa} - s - 2)!}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D + l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$\begin{aligned}
& D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq n - \mathbf{n} + 1 \wedge \\
& j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
& j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
& l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge \\
& l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + j_{sa} - \mathbf{n} \wedge \\
& (D \geq \mathbf{n} - n \wedge I = \mathbb{k} \geq 1) \wedge \\
& j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\
& s \in \{j_{sa}, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge \\
& s \geq 4 \wedge s \leq s + \mathbb{k} \wedge \\
& \mathbb{k}_{z:z=1} \Rightarrow
\end{aligned}$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{sa} + 1}^{l_s + j_{sa} - 1}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge I = 1 > 0 \wedge$$

$$j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_1, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$\geq 4 \wedge s \geq s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right.$$

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

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

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

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

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

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

$$\left(\sum_{k=1}^{\min(n_i, l_{ik})} \frac{(j^{sa} + j_{sa}^{ik} - j_{ik} - 1)!}{(j_{ik} - j_{sa}^{ik} + 1)!} \right) \cdot$$

$$\left(\sum_{i=k+1}^n \frac{(n_i - j_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \right) \cdot$$

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

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

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

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

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - s)!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$\mathbf{n} \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}-j_{sa})}^{\binom{n}{2}} \sum_{j_{sa}=j_{sa}+1}^{l_s+j_{sa}-1} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-1)} \sum_{n_{ik}+j_{ik}-j_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \\ \frac{(n_i-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot \\ \frac{(n_{sa}-1)!}{(j_{sa}-n-1)! \cdot (n-j_{sa})!} \cdot \\ \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!}.$$

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

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j_{sa}=j_{sa}+2}^{l_s+j_{sa}-1} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \\ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot \\ \frac{(n_{sa}-1)!}{(j_{sa}-n-1)! \cdot (n-j_{sa})!}.$$

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}} \sum_{(j_{ik} = j_{sa} + k + 1)}^{(\mathbf{l}_s + j_{sa})} j^{sa} = \mathbf{l}_s + j_{sa}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\mathbf{n}} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{(\)} \sum_{j^{sa} = j_{sa} + 1}^{\mathbf{l}_s + j_{sa} - 1}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa} - s)!}$$

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{ISO} = \left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}} \right.$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{l_{sa}} \right. \\ \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k}}^{n_{ik} + j_{ik} - j_{sa}^{ik} + 1} \\ \frac{(n_i - j_{ik} - 1)!}{(n_i - \mathbf{n} - \mathbf{l}_{ik})! \cdot (n_i - j_{ik} + 1)!} \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ \left. \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \right).$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\ \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(\mathbf{l}_{ik} - k + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

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

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik}}^{\left(\right)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} \bullet 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}}^{i,k} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{l}_s + j_{sa}^{ik} - 1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Biggr) +$$

$$\begin{aligned}
& \left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{l}_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\mathbf{l}_{sa}} \right. \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j^{sa})!} \cdot \\
& \frac{(n_{sa} - 1)!}{(n_{sa} - j_{sa} - \mathbf{n} + \mathbb{k})! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(\mathbf{l}_{ik} - j_{ik}^{ik} - k)!}{(\mathbf{l}_{ik} - j_{ik}^{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(\mathbf{l}_{sa} + j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
& \left. \frac{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (l_{sa} - s)!}{(\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) - \\
& \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{l}_s+j_{sa}^{ik}-k)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{l}_{sa}} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{()} \\
& \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \\
& \frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ n_i=n+\mathbb{k}(n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{\substack{(n_i-j_{ik}-1) \\ n_{ik}=j_{sa}+1, j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})$$

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

$$\frac{(l_s-\Delta)}{(l_s+j_{sa}^s-j_{ik}-1) \cdot (j_{ik}+j_{sa}^{ik}-1)!}.$$

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

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge \mathbb{k} \geq 0 \wedge$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^{sa}\} \wedge$$

$$s \geq 4 \wedge s = s +$$

$$\mathbb{k}_z : z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^{(l_s+j_{sa}-1)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1} \right)$$

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

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

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

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

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

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

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

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

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

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

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

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

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

~~$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{\substack{j^{sa} = l_s + j_{sa}}} \sum_{n_{sa} = n + j_{sa} - s}^{n + j_{sa} - 1}$$~~

giULD

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} + j^{sa} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!} \\
& \frac{(D - j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa} - 1)! \cdot (\mathbf{n} + j^{sa} - j^{sa} - s)!} \Big) - \\
& \sum_{k=1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\
& \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{l_{sa}+n-j_{sa}^{ik}-D-j_{sa}} \sum_{i_k=l_{sa}+n-j_{sa}^{ik}-D-j_{sa}+1}^{l_s+j_{sa}^{ik}-1} \sum_{i_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right. \\ \left. \sum_{n_i=n+\mathbb{k}}^{n} \sum_{(n_{ik}=\mathbb{k}+1)}^{(n_i-j_{ik}+1)-1} \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot \right. \\ \left. \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \right. \\ \left. \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \right. \\ \left. \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \right. \\ \left. \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{j_{ik}=j_{sa}^{ik}+1}^{n_{ik}-1} \sum_{j_{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right.$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_{sa}+n+j_{sa}-s \\ (j_{ik}=l_{sa}+n+j_{sa}-s) \geq j_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{\substack{n \\ n_i=n+k \\ n_i=n+k-j_{ik} \\ n_i=n+k-j_{ik}+1}} \sum_{\substack{(n-j_{ik}+1) \\ (n-j_{ik}+1) \geq j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-k \\ n_{sa}=n-j^{sa}+1}}$$

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

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

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

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

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

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

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

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

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

$$(j_{sa}^s + j_{sa}^{ik} - j_{sa} \leq l_{sa} \leq D - (l_{ik} + j_{sa} - n - j_{sa}^{ik})) \wedge$$

$$(D \geq n < n \wedge l_i \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - \mathbb{k} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{j_s^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = & \left(\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}}^{} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ j^{sa} = l_{sa} + \mathbf{n} - D}}^{} \right. \\
& \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}}^{} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = \mathbf{n} - j^{sa}}}^{} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} + 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot \\
& \left. \frac{(D + \mathbf{n} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) + \\
& \left(\sum_{k=1}^n \sum_{\substack{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1) \\ (j_{ik} = j_{sa}^{ik} + 1)}}^{} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ j^{sa} = l_{sa} + \mathbf{n} - D}}^{} \right. \\
& \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}}^{} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = \mathbf{n} - j^{sa} + 1}}^{} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.
\end{aligned}$$

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{sa} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_s - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{l_s+j_{sa}-1}$$

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

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

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

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

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \geq 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - i \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$

$s \geq 4 \wedge s = s +$

$\mathbb{k}: z = 1)$

$$f_{2, j_{ik}, j^{sa}} = \left(\sum_{k=1}^n \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{(l_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(l_{ik})} \right.$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$+ \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j^{sa} - j_{ik} - 1)! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - 1} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D - s \\ j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}} \sum_{\substack{j_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik} \\ n_i = \mathbb{k}}}$$

$$n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik}$$

$$\sum_{\substack{n_{ik} = n_{is} + j_{sa}^{ik} \\ j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}} \sum_{\substack{() \\ ()}}$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} \wedge j_{sa}^{ik} \leq j_{sa} \wedge$

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

$\mathbf{l}_{ik} - j_{sa}^{ik} - 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

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

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

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

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

$$\sum_{k=1}^n \sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}} \sum_{j_{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

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

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

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

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

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

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

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

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

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

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

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

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

$((D \geq \mathbf{n}) \wedge \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

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

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

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

$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik} j_{sa}}^{iso} = \sum_{k=1}^n \sum_{(j_{ik}=j_{ik}-1)}^{n+j_{sa}^{ik}-D-s-1} \sum_{j=j_i+n+j_{sa}-D-s}^{n+j_{sa}-s} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\ \sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{l_{ik}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s}$$

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

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

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

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

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

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

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

$$\sum_{k=1}^{l_i} \sum_{\substack{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik}) \\ (n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^{ik})}}^{(l_i)}$$

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

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

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

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

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

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

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{l_{ik}} \sum_{j_{sa}=j_{sa}^{ik}+1}^{(j_{sa} + j_{sa}^{ik} - l_{ik})} \sum_{n_i=n-j_{ik}+1}^{l_i} \sum_{n_{ik}=n+\mathbb{k}-j_{ik}+1}^{n_i-j_{ik}} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}-j_{ik}-j_{sa}-\mathbb{k}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \left(\sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{L}} \right)$$

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

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

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

$$D \geq n < \lambda l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

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

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j_{sa} - 1)! \cdot (n - j_{sa})!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$D \geq n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j_{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-1} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \frac{(n_i-j_{ik}+1)!}{(n_{ik}=n+\mathbb{k}+1-1)!} \frac{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}{n_{sa}=n-j_{sa}-1} \\
 &\quad \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2) \cdot (n_{ik}-j_{ik}-n_{sa}-j_{sa})!} \\
 &\quad \frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-j_{ik}-1)! \cdot (n_{ik}-j_{ik}-n_{sa}-j_{sa})!} \\
 &\quad \frac{(n_{sa}-1)!}{(n_{sa}+j_{sa}-n-1)! \cdot (n-j_{sa})!} \\
 &\quad \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \\
 &\quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} - \\
 &\quad \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j_{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{sa}+1)} \\
 &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})}^{(\)} \\
 &\quad \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j_{sa}-n-j_{sa}^s)! \cdot (n+j_{sa}-s-j_{sa})!} \\
 &\quad \frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!}.
 \end{aligned}$$

gündemi

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

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

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

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

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{\left(\right.} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - n - j_{sa}^s)! \cdot (n + j_{sa} - s - j_{sa}^s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (l_s - l_i - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - n - l_s - i_{sa})! \cdot (n - i_{sa} - j_{sa}^{sa} - s)!}
 \end{aligned}$$

$((D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

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

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

$D + s - n < l_i \leq D + l_s - (s - n - 1) \vee$

$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

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

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

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

$(D \geq n < n \wedge l_s = \mathbb{k} \wedge l_i = 0 \wedge$

$j_{sa} \leq j_{sa}^l - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$

$s; \{j_{sa}^s, \dots, j_{sa}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$

$s \geq 4 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\left(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1\right)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(\mathbf{l}_{ik})}$$

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

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

$$\frac{(\mathbf{l}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$(l_s - 2)!$$

$$(l_s + j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!$$

$$(l_i)!$$

$$(D + j^{sa} + \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} - 1 \wedge$$

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

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - \mathbb{k}$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_s + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbb{k} < l_{ik} \leq D - \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D > n \wedge I - \mathbb{m} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - \mathbb{k} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{\binom{l_{ik}}{(l_{ik})}} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

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

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

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

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\binom{}{}}$$

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

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

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

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{n_i=n+\mathbb{k}(n_{ik}-\mathbb{k}-j_{ik}+1)}^{(\)} \sum_{n_{sa}=n-j_{sa}+1}^{n+j_{sa}-s} \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=\mathbf{l}_i+n+j_{sa}-D-s}^{l_s+j_{sa}-1}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^{ik}} \sum_{()}^{()}$$

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

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

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} \wedge \bullet_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - s \wedge j_{sa}^s \leq j_{sa}^s - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\},$$

$$s \geq 4 \wedge s = s + 1 \wedge$$

$$\mathbb{k} \cdot z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=\mathbf{l}_i+\mathbf{n}+j_{sa}^{ik}-D-s)}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

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

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

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

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

$$\frac{(\mathfrak{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathfrak{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$\begin{aligned}
& \sum_{k=1}^{\lfloor l_s + j_{sa}^{ik} - 1 \rfloor} \sum_{(j_{ik} = l_i + n + j_{sa}^{ik} - D - s)} j^{sa} = j_{sa} + j_{sa} - j_{sa}^{ik} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n_i+j_{sa}-j_{ik})} (n_i-\mathbb{k}+1) \\
& \left[\sum_{n_{ik}=n_{ls}+j_{sa}-j_{sa}^{ik}-\mathbb{k}}^{n_{sa}+j_{sa}-s-j_{sa}^{ik}-\mathbb{k}} (n_{ik}-\mathbb{k}-j^{sa}-\mathbb{k})! \right] \\
& \cdot \frac{(j_{sa} + j_{sa} - s - j_{sa}^{s})!}{(j_{sa} + j_{sa} - s - j_{sa}^{s})! \cdot \dots \cdot (j_{sa} + j_{sa} - s - j^{sa})!} \\
& \cdot \frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \cdot \frac{l_i!}{(n - l_i - j_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$\begin{aligned}
& D \geq n < n \wedge l_s + 1 \leq l_s \leq D - n - 1 \wedge \\
& j_s^{ik} \leq j_{ik} \leq j_s^a + j_{sa}^{ik} - j_{sa} \wedge \\
& j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_s^a \leq n + l_i - s \\
& l_{ik} - j_{sa} + 1 > l_s \wedge l_{si} + j_{sa}^{ik} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge
\end{aligned}$$

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

$$(D \leq n \wedge I = \mathbb{K} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i \} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z; z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{ik}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{n+j_{sa}-s}$$

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

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

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

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

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

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

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{()}$$

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

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

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

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{sa}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\min(j_{sa} + \mathbf{n} - D, l_{ik} + j_{sa} - D - s)} \sum_{(j_{ik} + \mathbf{n} - D + 1) \leq i \leq l_{ik} + j_{sa} - D - s} \sum_{n_i = \mathbf{n} + \mathbb{k} (n_{ik} + \mathbb{k} - j_{ik} + 1)}^{(n_i - 1) + 1} \sum_{n_{sa} = \mathbf{n} - j_{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

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

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}) \\ (n_{is}=\mathbf{n}+\mathbb{k})}} \sum_{\substack{(n_i=n+\mathbb{k}) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{l_i+n+j_{sa}-D-s}^{l_i+n+j_{sa}-D-s}$$

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

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

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

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{ik}+n-D)}^{\left(l_i+n+j_{sa}^{ik}-D-s-1\right)} \sum_{n_i=n+\mathbb{k}-j_{ik}+1}^n \sum_{n_{ik}+j_{ik}-j_{sa}=n-j_{sa}+1}^{\left(n_i-j_{ik}+1\right)} \sum_{n_{ik}+j_{ik}-j_{sa}=n-j_{sa}+1}^{\left(n_i-j_{ik}+1\right)} \cdot$$

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

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

$$\frac{(n_{sa}-1)!}{(j_{sa}-n-1) \cdot (n-j_{sa})!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{\substack{k=1 \\ (j_{ik}=l_i+k) \wedge (j_{sa}^{ik}=D-s)}}^{\substack{(l_{ik}+j_{sa}^{ik}-1) \\ (l_{sa}-j_{sa})}} \sum_{\substack{n=i \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{\substack{(n_i-j_s+1) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \sum_{\substack{(\) \\ (n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik})}}^{\substack{(\) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

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

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

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

$$((D - l_i) < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k} \sum_{()}^{()} (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{s})!}$$

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} \wedge \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - \mathbb{s} \wedge j_{sa}^s \leq j_{sa}^s - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\},$$

$$s \geq 4 \wedge s = s + \mathbb{z} \wedge$$

$$\mathbb{k}: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$\sum_{k=1}^{\binom{I}{2}} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{\mathbf{l}_{sa}}$$

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

$$\sum_{n_{ik} = n_i - j_{sa}^{ik} - j_{sa}}^{n_i - 1} (n_{ik} - n_{is} - j_{ik})$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_i - 1)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge I > 1 \wedge \mathbf{l}_{sa} \leq D - \mathbf{n} - j_{sa} - \mathbf{n} \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge I > 1 \wedge \mathbf{l}_{sa} \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\infty} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\infty} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{n_{ik}-j_{ik}-j^{sa}+1} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_{ik} - j_{ik} - 1)!}{(j^{sa} - n_{ik} - 1) \cdot (n_{ik} + j_{ik} - j^{sa})!} \cdot \\ &\quad \frac{(n - 1)!}{(n_{sa} - n_{ik} - n - 1)! \cdot (n - j^{sa})!} \cdot \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} - \\ &\quad \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s + j_{sa}^{ik} - k)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\infty} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\ &\quad \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - n - j_{sa}^s)! \cdot (n + j_{sa} - s - j^{sa})!} \cdot \\ &\quad \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}. \end{aligned}$$

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

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

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

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

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

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq \mathbf{n} + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i_1} - 1 \wedge j_{sa} \leq j_{sa}^{i_2} - 1 \wedge j_{sa} \leq j_{sa}^{i_3} - 1 \wedge \dots \wedge$$

$$s \in \{j_{sa}^{i_1}, \dots, j_{sa}^{i_2}, \dots, j_{sa}^{i_3}, \dots\} \wedge$$

$$s \geq 1 \wedge s = s + \mathbb{k}$$

$$\mathbb{k}_z : z = \dots \Rightarrow$$

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

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

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

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

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

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

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

$$\sum_{k=1}^{l_s + j_{sa}^{ik}} \sum_{\substack{j_{ik}=j_{sa}^{ik} \\ j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{\substack{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \\ j_{sa} \leq j_{ik} - j_{sa}^{ik} - 1}}$$

$$n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^s \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \sum_{\substack{j_{sa}=j_{ik}+j_{sa}-j_{sa}^s \\ j_{sa} \leq j_{ik} - j_{sa}^s - 1}}$$

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

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

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

$$D \geq \mathbf{n} - \mathbf{n} \wedge l_s > 1 \wedge l_i \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\infty} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\infty} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=j_{sa}+1}^{n_{ik}+j_{ik}-j^{sa}} \\
&\quad \frac{(n_i-j_{ik}+1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}+1)!} \cdot \\
&\quad \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}) \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \\
&\quad \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \\
&\quad \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}+j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \\
&\quad \frac{(D+j^{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} - \\
&\quad \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)}^{\infty} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\infty} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
&\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\infty} \\
&\quad \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \\
&\quad \frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \\
&\quad \frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}
\end{aligned}$$

$$((D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

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

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n \bullet \bullet \wedge$$

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

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

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

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

$$l_i \leq D + s - n) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{K} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, \{s, \dots, j_{sa}^{ik}, \mathbb{K}, j_{sa}, \dots, j_{sa}^i\}\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{K} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{sa} + 1}^{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

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

$$\sum_{n_i=n+\mathbf{k}}^n \sum_{\substack{(n_i-s)+1 \\ (n_i-s)-j_{ik}}}^{(n_i-s)-1}$$

$$\sum_{n_{ik}=n_i-j_{sa}^{ik}-j_{sa}}^{n_i} \sum_{\substack{n_{ik}-j_{sa}^{ik}-j_{sa} \\ n_{ik}-j_{sa}^{ik}-j_{sa}-1}}^{n_{ik}-j_{sa}^{ik}-j_{sa}-1}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - s - j_{sa}^s)! \cdot (n + j_{sa} - s - j^{sa})!}.$$

$$(l_s - 2)!$$

$$\frac{(l_s - 1) \cdot (l_s - j_{sa}^{ik} - j_{sa} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$(l_i)!$$

$$(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!.$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j^{sa}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\left(l_{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{j}_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{j}_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - k} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{j^{sa}} \sum_{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbf{k}}^n \sum_{(n_{is} - \mathbf{l}_i - j_{ik})}^{(n_i - 1) + 1}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa} - j_{ik} - 1}^{n_{is} + j_{sa} - s - 1} \sum_{n_{sa} = n_{ik} + j_{sa} - j^{sa} - \mathbf{k}}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_i - l_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - n + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} - \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$D + j_{sa} - s < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} &= \sum_{k=1} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \Gamma \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-1)} \sum_{n_{ik}+j_{ik}-j^{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}-j^{sa}} \\ &\quad \frac{(n_i-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ &\quad \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1) \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot \\ &\quad \frac{(n_{sa}-1)!}{(j^{sa}-\mathbf{n}-1) \cdot (\mathbf{n}-j^{sa})!} \cdot \\ &\quad \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ &\quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} - \\ &\quad \sum_{k=1} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(l_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right)} \\ &\quad \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot \end{aligned}$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1) \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i - j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + j_{sa}^{ik} - j_{sa} - (\mathbf{n} - s) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^s\} \wedge$$

$$s \geq \mathbf{n} \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{I}_{\mathbf{z}} : z = \mathbf{z} \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{ISO} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{sa}+n-D}^{n+j_{sa}-s}$$

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

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

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

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

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

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

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j^{sa}+j_{sa}-l_{sa}) \\ (j^{sa}=l_{sa}+n)}} \binom{l_{sa}+n-k-1}{j_{sa}} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(n_{is}=n+k+j_{sa}-j_{ik}) \\ (j_{sa}+k=n_{is}+j_{sa}^{ik})}} \binom{l_{sa}+n-k-1}{j_{sa}} \cdot$$

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

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

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$$

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

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

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

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

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = & \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - 1)} \sum_{l_s = j_{sa} + n - D}^{l_s + j_{sa} - 1} \\
 & \sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_i - j_{ik} - 1)}^{(n_i - j_{ik} - 1)} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
 & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 & \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 & \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
 & \sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{n + j_{sa} - s} \sum_{j^{sa} = l_s + j_{sa}}
 \end{aligned}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - 1} \sum_{\substack{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} \\ (n_i - j_{ik} + 1) \\ n_{ik} = n + \mathbf{k} + j_{ik} - 1}}^{\mathbf{n} + j_{sa} - s} \frac{(n_i - j_{ik} - 1)!}{(n_i - 2)! \cdot (n_i - j_{ik} - j_{ik} + 1)!} \cdot$$

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} \\ (n_i - j_{sa}^{ik} + 1) \\ n_{is} = n + \mathbf{k} + j_{sa}^{ik} - j_{ik}}}^{\mathbf{l}_{ik}} \sum_{\substack{(n_i - j_s + 1) \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbf{k})}}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik}}^{\left(\begin{array}{c} n \\ n_{sa} \end{array}\right)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbf{k})}$$

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + j_{sa} - s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \\
&\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
&\quad \frac{(l_{ik} + j_{sa}^{ik} - l_{ik} - 1)!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
&\quad \sum_{k=1}^{(l_{ik})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{(n_i - j_{ik} + 1)} \sum_{j^{sa} = l_{sa} + j_{sa} - j_{sa}^{ik} + 1}^{n + j_{sa} - s} \\
&\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot
\end{aligned}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{ik}, \\ j^{sa} = l_i + n + j_{sa}^{ik} - D - s}}^{l_s - j_{sa} - 1}$$

$$\sum_{n_i = n + k}^{\infty} \sum_{\substack{() \\ n_i = n + k + (n_{sa} + j_{sa}^{ik} - j_{ik})}}^{l_s - j_{sa} - 1}$$

$$\sum_{n_{ik} = n + k + j_{sa}^{ik} - j_{ik}}^{\infty} \sum_{\substack{() \\ n_{ik} = n + k + j_{ik} - j^{sa} - k}}$$

$$\frac{(n_{sa} + j_{sa}^{ik} - s - j_{sa}^{ik})!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_{sa}^{ik} - s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$(s \geq \mathbf{n} < n \wedge s > 1 \wedge s \leq D - 1 \wedge$$

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

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

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

$$D + j_{sa} - s \leq \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$s \geq \mathbf{n} \wedge s < \mathbf{l}_s \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1)) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{Z^{\mathbf{s}}_I}^{(0)} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=\mathbf{l}_{ik}+\mathbf{n}-D)}^{(\mathbf{l}_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=\mathbf{l}_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

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

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

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

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

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

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(n_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

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

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

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

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

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

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z: z = 1) \Rightarrow$$

$$\varsigma_{\text{iso}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

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

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

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

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

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

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

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!} \\
 & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - s)!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - l_{ik} - s)!} \\
 & \frac{(D - l_i - l_{sa} - s)!}{(D - l_i - j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - s - l_i - s)!} - \\
 & \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)} \\
 & \sum_{=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot \\
 & \frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}
 \end{aligned}$$

$$\begin{aligned}
 & D \geq \mathbf{n} < n \wedge l_s = 1 \wedge I \leq D - \mathbf{n} + 1 \wedge \\
 & j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j \leq \mathbf{n} + j_{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + s > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge \\
 & j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \wedge
 \end{aligned}$$

$$\begin{aligned}
 & (D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge \\
 & j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\
 & s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge
 \end{aligned}$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{l_{sa}}$$

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

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

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

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

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}$$

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

$$\frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-n-j_{sa}^s)! \cdot (n+j_{sa}-s-j^{sa})!} \cdot$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D + j_{sa} - n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - n \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{} \sum_{j_{sa}=j_{sa}^{ik}-1}^{+j_{sa}-j_{sa}^{ik}} \cdot \\ \sum_{n_i=n+1}^{n} \sum_{(n_i=j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{ik}+j_{ik}-1=\mathbf{n}-\mathbb{k}}^{n_{ik}+j_{ik}-1} \cdot \\ \frac{(n_i - n_{ik})!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_i - n_{sa} - 1)!}{(n_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^s)!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} - j_{sa}^s - 1)! \cdot (\mathbf{n} - j_{sa}^s)!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{} \sum_{j_{sa}=j_{sa}^{ik}-1}^{+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{} \sum_{n_{sa}=n_{ik}+j_{ik}-j_{sa}^s-\mathbb{k}}^{+n_{sa}-j_{sa}^s} \cdot \\ \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}-j_{ik}+1)+\mathbb{k}-j_{ik}+1}^{\left(\mathbf{l}_{ik}\right)} \sum_{n_{sa}=n-j^{sa}+1}^{j_{sa}-j_{sa}^{ik}} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik})! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \end{aligned}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\mathbf{l}_{ik}\right)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\mathbf{l}_{ik}\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$((D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$

$l_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{sa} - j_{sa} + 1 > l_s \wedge$

$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa} - j_{sa}^{ik} = \mathbb{k} - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^1\}$

$s \geq 4 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \rightarrow$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik} = j_{sa}^{ik})}^{\binom{l_{ik}}{n_i - j_{ik} + 1}} \sum_{j^{sa} = j_{sa}}^{\binom{l_{sa}}{n_{sa} - j^{sa} + 1}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{\binom{n_i - j_{ik} + 1}{n_{ik} - j_{ik} + 1}} \sum_{n_{sa}=n-j^{sa}+1}^{\binom{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}{n_{sa} - j^{sa} + 1}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{\substack{i \\ i_{ik} = j_{sa}^{ik}}} \sum_{\substack{j \\ j_{sa} = j_{sa}}} \sum_{\substack{k \\ k_{sa} = j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{j \\ j_{ik}+1 \\ n_{sa} = j_{ik} + j_{sa} - j^{sa} - \mathbb{k}}} \sum_{\substack{k \\ k_{sa} = j_{sa}}}$$

$$\frac{(n_{sa} + j^{sa} - s - \mathbf{l}_i)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^{sa})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D + s - n) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}) \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik} \wedge$$

$$\mathbf{l}_{ik} - j_{sa} + 1 \geq \mathbf{l}_s \wedge j_{sa} + j_{sa}^{ik} - j_{sa} \geq \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D + \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - j_{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 \geq l_s \wedge$$

$$\leq D + s - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(l_{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}} \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik})! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ \frac{(n_i + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\ \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\mathbf{l}\right)} \sum_{j^{sa}=j_{sa}}^{l_{sa}} \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{n_{ik}} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{n_{ik}+j_{ik}-j^{sa}} \\ \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot \\ \frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{\substack{(i_{ik} = j^{sa} + j_{sa}^{ik}) \\ (j_{sa} = j_{sa}^{ik})}} \frac{\binom{n}{n_i - j_{ik} + 1} \cdot \binom{n}{n_{ik} - j_{ik} - \mathbb{k}}}{{(n_i - n_{ik} - 1)!} \cdot {(n_i - n_{ik} - j_{ik} + 1)!}} \cdot \frac{(n_{ik} - n_{sa} - 1)!}{{(n_{ik} - j_{ik} - 1)!} \cdot {(n_{ik} + j_{ik} - n_{sa} - j^{sa})!}} \cdot \frac{(n_{sa} - 1)!}{{(n_{sa} + j^{sa} - \mathbf{n} - 1)!} \cdot {(\mathbf{n} - j^{sa})!}} \cdot \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{{(\mathbf{l}_{ik} - j_{ik})} \cdot {(\mathbf{j}_{ik} - j_{sa}^{ik} - 1)!}} \right)$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik} = j_{sa}^{ik})}^{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{j^{sa} = j_{sa} + 1}^{\mathbf{l}_{ik} + j_{sa} - j_{sa}^{ik}} \right.$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l}_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa})!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbf{l}_{sa})!} +$$

$$\sum_{k=1}^{l_{ik}} \sum_{j=k}^{j_{sa}^{ik}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-k}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - j_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik})}^{\infty} \sum_{j^{sa}=j_{sa}}^{\infty}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^{l_{ik}-j_{sa}^{ik},0} = \left(\sum_{k=1}^{n_i} \sum_{(j_{ik}=j_{sa}^{ik})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - s)!} \Big) +$$

$$\left(\sum_{k=1}^{n_i} \sum_{\substack{(l_{ik}) \\ (j_{ik}=j_{sa}^{ik})}}^{\substack{(l_{ik}) \\ (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}} \sum_{n_s=n-j_{sa}^{ik}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-j_{sa}^{ik})}} \sum_{n_s=n-j_{sa}^{ik}+1}^{n_{ik}+j_{ik}-j_{sa}^{ik}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{(n_{sa} - n - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j_{sa}^{ik})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{ik} - j_{sa})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{ik} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{\substack{(\) \\ (j_{ik}=j_{sa}^{ik})}}^{\substack{(\) \\ (j_{sa}=j_{ik}+j_{ik}-j_{sa}^{ik}-\mathbb{k})}} \sum_{n_s=n-j_{sa}^{ik}+1}^{(\)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(\) \\ (n_{ik}=n_i-j_{ik}+1)}}^{\substack{(\) \\ (n_{sa}=n_{ik}+j_{ik}-j_{sa}^{ik}-\mathbb{k})}} \sum_{n_s=n-j_{sa}^{ik}+1}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ j_{ik}=j_{sa}}} \sum_{\substack{() \\ j_{sa}=j_{sa}}}$$

$$\sum_{\substack{n \\ n_i=n \\ (n_{ik}=n+j_{ik}-1)}} \sum_{\substack{() \\ n_{ik}=n+j_{ik}-1}} \sum_{\substack{() \\ n_{sa}=n-j_{sa}+1}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_i - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ j_{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{() \\ (n_{ik}=n_i-j_{ik}+1)}} \sum_{\substack{() \\ n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$\begin{aligned}
j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} & \wedge \\
j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s & \wedge \\
l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} & \wedge \\
l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} & \vee \\
(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} & \wedge \\
j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s & \wedge \\
l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_s & \wedge \\
l_i \leq D + s - \mathbf{n} & \vee \\
(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} & \wedge \\
j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s & \wedge \\
l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_s & \wedge \\
l_i \leq D + s - \mathbf{n}) & \wedge \\
(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge \\
j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i = j_{sa} - 1 \wedge j_{sa}^{i+1} \leq j_{sa}^{ik} - 1 & \wedge \\
s \in \{j_{sa}^i, \dots, j_{sa}^{\mathbb{k}}, j_{sa}, \dots, j_{sa}^1\} & \wedge \\
s \geq 4 \wedge s = s + 1 & \wedge \\
\mathbb{k}_z : z = 1 \Rightarrow &
\end{aligned}$$

$$f_z S_{j_{ik}, j^{sa}}^{ISO} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{sa} + j_{sa}^{ik} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^n \sum_{\substack{() \\ j_{ik}=j_{sa}^{ik}}} \sum_{\substack{() \\ n_{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{() \\ (n_i-j_{ik}+1)}} \sum_{\substack{() \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}}$$

$$\frac{(n_{sa} - j_{sa} - s + s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa})!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(s + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} \wedge j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge j_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{n} \wedge$$

$$s \geq \mathbf{n} < n \wedge s = \mathbb{k} > 0$$

$$j_{sa} - j_{sa}^{i} - 1 \wedge j_{sa}^{ik} - j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$\{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s$$

$$\mathbb{k}_z, z = 1, \dots$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}} \sum_{\substack{() \\ j^{sa}=l_{sa}+n-D}}^{n+j_{sa}-s} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{\substack{() \\ n_{sa}=n-j^{sa}+1}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^n \sum_{\substack{(j_{ik}=j^{sa}+j_{sa}^{ik}-D-s) \\ (j_{ik}=n_i-j_{ik}-\mathbb{k}-j_{ik}+1)}}^{\substack{(j_{sa}+j_{sa}^{ik}-j_{sa}-\mathbb{k}-1) \\ (n_i-j_{ik}-\mathbb{k}-j_{ik}+1)}} \sum_{\substack{n+j_{sa}-s \\ n_{sa}=\mathbf{n}-j^{sa}+1}}^{\substack{n+i-k-j^{sa}-\mathbb{k} \\ n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \right)$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}}^{\substack{() \\ (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})}} \sum_{\substack{n+j_{sa}-s \\ j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}}^{\substack{n+j_{sa}-s \\ j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right.} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot$$

$$\frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (s-l_s-1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \leq l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0)$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^i \leq j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^i, \dots, j_{sa}\} \wedge$$

$$s \neq 5 \wedge s = \mathbb{k} \wedge \mathbb{k} > 0 \wedge$$

$$\mathbb{k}_{z=1} = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik},j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i-j_{ik}+1)} \right.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\left(\sum_{k=1}^{\mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1} \sum_{\substack{j^{sa} = j_{sa}^{ik} + n - D \\ j_{ik} = l_s + n + j_{sa}^{ik}}} \right)$$

$$\sum_{n_i = n + \mathbb{k} - j_{ik} + 1}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ n_{ik} + j_{ik} > n - \mathbb{k}}} \sum_{\substack{n_{ik} + j_{ik} > n - \mathbb{k} \\ j_{sa} = n - j^{sa} + 1}}$$

$$\frac{(n_i - n_{ik})!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} + j_{sa} - \mathbb{k} - 1)!}{(j^{sa} + j_{sa} - l_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(l_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^n \sum_{\substack{(n + j_{sa}^{ik} - s) \\ (j_{ik} = l_{sa} + n + j_{sa}^{ik} - D - j_{sa})}} \sum_{\substack{n + j_{sa} - s \\ j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = n - j^{sa} + 1}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s - j_{sa}^s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(i_{ik}=l_i+n_{is}-j_{sa}^{ik}-D-s) \\ (n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa})}} \sum_{\substack{(j^{sa}-l_{sa}) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \sum_{\substack{(n_i-j_s+1) \\ (n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{\substack{(\) \\ (j_{ik}-j_{sa}^{ik}-1)}} \sum_{\substack{(l_s-2) \\ (l_s+j_{sa}^{ik}-j_{ik}-1) \cdot (j_{ik}-j_{sa}^{ik}-1)}} \cdot$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$(D - l_i \leq n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{j_{sa} + j_{sa}^{ik} - j_{sa} = l_{sa} + \mathbf{n} - D}^{(j_{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{n_i = n + \mathbb{k} - j_{ik} + 1}^n \sum_{n_{sa} = n - j_{sa} + 1}^{n - j_{sa} - \mathbb{k}} \right. \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ \left. \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} + j_{sa} - j_{sa} - \mathbb{k})!} \cdot \right. \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{(j_{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{j_{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - s} \right.$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j_{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s - j_{sa}^s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (j^{sa} + j_{sa} - j^{sa} - s - j_{sa})!} \cdot$$

$$\sum_{\substack{J^s \\ (j_{ik} = j^{sa} + \mathbb{k} - j_{sa})}} \sum_{\substack{J^{sa} \\ (n_i = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \sum_{\substack{J^{sa} \\ (n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik})}} \sum_{\substack{J^{sa} \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} \sum_{\substack{J^{sa} \\ (n_{sa} + j_{sa} - s - j_{sa}^s) = n + j_{sa} - j^{sa} - s - D - s}} \sum_{\substack{J^{sa} \\ (n_{sa} + j_{sa} - s - j_{sa}^s)}} \sum_{\substack{J^{sa} \\ (n_{sa} + j_{sa} - s - j_{sa}^s) = n + j_{sa} - j^{sa} - s}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D - l_s) < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{sa} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{ik}+n-D-j_{sa})}^{\infty} \sum_{j_{ik}+j_{sa}-j_{sa}^{ik}}^{\infty} \right. \\ \left. \frac{(n+j_{sa}^{ik}-s)!}{(n_i-n_{ik}-1)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \right. \\ \left. \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j_{sa}^i-j_{sa}^{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \right. \\ \left. \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \right.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik}) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) +$$

$$\left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{ik}+n-D)}^{(\mathbf{l}_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right. \\ \left. \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right.$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{j}_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (\mathbf{j}^{sa} + j_{sa}^{ik} - \dots - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa})}{(D + j^{sa} - n - l_{sa})!} \cdot \dots \cdot \frac{(D + j_{sa} - l_{sa})}{(D + j_{sa} - l_{sa})!} +$$

$$\sum_{k=1}^n \sum_{(j_{lk}, j_{sa} + n + j_{sa}^{lk} - j_{sa})}^{(n + i_{lk} - s)} \sum_{j^{sa+1}, \dots, j_{sa+1}^{i_{lk}+1}}^{n + j_{sa} - s}$$

$$\frac{(n_i - n_{ik} - 1)!}{(2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathfrak{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathfrak{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{n+j_{sa}^{ik}-s} \sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{(\)} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - n - j_{sa}^s)! \cdot (n + j_{sa} - s - j_{sa}^s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_s - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - n - l_i - j_{sa}^s)! \cdot (n + j_{sa} - j_{sa}^{sa} - s)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i \wedge l_{ik} \wedge l_i - j_{sa} - s = \mathbb{k} \wedge$

$(D \geq n < n \wedge I = \mathbb{k} > 0)$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^i, \dots, j_{sa}\} \wedge$

$s \neq 5 \wedge s = \mathbb{k} \wedge \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$\begin{aligned}
 f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{j_{sa}^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(j_{sa}^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}^{sa}+1}^{n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k}} \\
 &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 &\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa}^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^{sa} - \mathbb{k})!}
 \end{aligned}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{() \\ (n_{sa} = l_i + \mathbf{n} + j_{sa} - D)}} j_{sa}^{ik}$$

$$n_{is} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})$$

$$\sum_{\substack{() \\ (n_{ik} = n_{is} + j_{sa}^{is} - j_{sa})}} \sum_{\substack{() \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} j_{sa}^{ik}$$

$$\frac{(\mathbf{l}_{sa} - j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} - \mathbf{n} \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \wedge j^{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$j_{ik} \wedge j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + \mathbf{n} = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-s-1)}^{\left(l_i+n+j_{sa}^{ik}-D-s-1\right)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s} \\
&\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbb{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(j_{ik} - j_{sa} - 1)!}{(j_{ik} - j_{sa} - 1)!} \cdot \\
&\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
&\quad \sum_{k=1}^n \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik}-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s} \\
&\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=l_s+n+j_{sa}-j_{ik}} \sum_{n_i=n+\mathbb{k}-(n_{is}-l_i-j_{ik})}^{n} \sum_{(n_{is}=n_i-j_{ik}-j_{sa})}^{(n_i-1)}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - l_s - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_i)!}{(D + j^{sa} + \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l = \mathbb{k} \geq 1) \wedge$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j^{sa}=\mathbf{l}_s+n+j_{sa}-D-1}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} - l_{sa} - s)!}{(D - j^{sa} - \mathbf{n} - s - 1)! \cdot (\mathbf{n} + j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+\mathbb{k}-j_{sa})}^{(\)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{(n+j_{sa}^{ik}-s) \\ (j_{ik}=l_s+n+j_{sa}^{ik}-D-s)}} \sum_{\substack{(n_i-j_{ik}+1) \\ (n_i=n+\mathbb{k}+j_{ik}+1)}} \sum_{\substack{(n_{ik}+j_{ik}-\mathbb{k}) \\ (n_{sa}=n-j^{sa}+1)}} \frac{(n_{sa}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_i+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(\mathbf{n}-j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(n+j_{sa}^{ik}-s) \\ (j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}} \sum_{\substack{(n_i-j_{sa}+1) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})} \sum_{\substack{(\) \\ ()}} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}s} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{(\)} \sum_{n_i=n+\mathbb{k}}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\binom{(\)}{()}} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\binom{(\)}{()}} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-\mathbb{k})}^{(n_i-j_s+1)} \frac{\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k}^{\binom{(\)}{()}} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s) \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!}.$$

$$\frac{(l_s-1)!}{(l_s+j_{sa}-j_{ik}-1)! \cdot (j_{ik}-j_{sa}-1)!} \cdot \frac{(D-1)!}{(D+j^{sa}+s-\mathbf{n}-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j = l_{ik} \wedge l_{sa} \wedge j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 1 > 0 \wedge$$

$$j_{sa}^i \leq j_{sa}^{i-1} \wedge j_{sa}^{ik} < j_{sa}^{i-1} \wedge j_{sa}^s \leq j_{sa}^{i-1} \wedge$$

$$s: \{j_1, \dots, j_{sa}^{ik}, \dots, \mathbb{K}, \dots, j_{sa}^i, \dots, j_{sa}^1\}$$

$$\geq 5 \wedge s \geq s + \mathbb{k} \wedge$$

$$\mathbb{K}_z: z = 1 \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(n+j_{sa}-s)} \sum_{(j_{ik}=\mathbf{l}_i+\mathbf{n}+j_{sa}^{ik}-D-s)}^{\binom{(\)}{()}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{(n+j_{sa}^{ik}-s)} \sum_{(j_{ik}=\mathbf{l}_i+n+j_{sa}^{ik}-D-j^{sa})} \sum_{(j_{sa}=j_{ik}+j_{sa}-j^{sa}-s)}$$

$$n_{is} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is}} \sum_{(j_{sa}^{ik} (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}))}$$

$$\frac{(n_{sa} + j_{sa}^{is} - s - j_{sa}^{is})!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^{is})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \wedge j^{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$j_{ik} \leq j_{sa} \wedge j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} & \cdot \delta_z S_{j_{ik}, j^{sa}}^{\text{ISO}} \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}-j_{sa})} \sum_{j^{sa}=\mathbf{l}_{sa}+\mathbf{n}-D}^{j_{sa}-s} \\ & \sum_{n+\mathbb{k}}^n \sum_{(n_{ik}=n-\mathbb{k}-j_{ik}+1)}^{n-j_{ik}+1} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ & \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{ik} - j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\ & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ & \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \end{aligned}$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^s-\mathbb{k})} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^s)!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!} \cdot \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa} - s)!}$$

$\cancel{((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge}$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \wedge$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{ik} \leq j_{sa}^{ik} - 1 \wedge$

$s \in \{j_{sa}^s, \dots, j_{sa}^i, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$

$s \geq 5 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$${}_{fz}\mathcal{S}_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{\infty} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\infty}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j_{sa} - 1 - \mathbb{k})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(D + j^{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{i=1}^n \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{\infty} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\infty}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\infty}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{ISO} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=\mathbf{l}_{ik}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{n+j_{sa}-s} \sum_{n_i=n+\mathbb{k}}^{n_i-j_{ik}+1} \sum_{n_{ik}=n+\mathbb{k}-j_{ik}+1}^{n_{ik}-j_{ik}-j^{sa}-\mathbb{k}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa})!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{sa} = l_{ik} \wedge l_i + j_{sa} - s > 0) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} - 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i-1} \wedge j_{sa}^{ik} < j_{sa}^{i-1} + 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s > \mathbf{n} + \mathbb{k} \wedge$$

$$\therefore z = 1 \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(n+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!} \\
 & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
 & \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
 & - \frac{(l_{sa} - j_{sa} - s)!}{(l_{sa} - j_{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} - j_{sa} - s)!} \\
 & \sum_{k=1}^{n_i} \sum_{(j_{ik}=l_i+n_{ik}-j_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\infty} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
 & \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \\
 & \neg n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
 & j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee
 \end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{j_{ik} = l_{ik} + n - \\ j_{sa} = l_i + n + j_{sa} - D - s}} \sum_{\substack{(j_{sa}^{ik} - j_{sa}) - s \\ n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-s)}^{\left(\right)} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - n - j_{sa}^s)! \cdot (n + j_{sa} - s - j_{sa}^s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (l_s - l_i - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - n - l_i - j_{sa})! \cdot (n + j_{sa} - j_{sa}^{sa} - s)!}
 \end{aligned}$$

$((D \geq n < n \wedge l_s > D - n + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq n < n \wedge l_s > D - n - 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa}$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa} - s,$

$l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge$

$(D \geq n < n \wedge I = \mathbb{k} - 0 \wedge$

$j_{sa} \leq j_{sa}^{i-1} \wedge j_{sa}^{ik} < j_{sa}^{i-1} + 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^i\} \wedge$

$s \geq 5 \wedge s < n + \mathbb{k} \wedge$

$\therefore z = 1 \Rightarrow$

$$f_z S_{j_{ik}, j_{sa}}^{ISO} = \sum_{k=1}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{(j_{ik}=l_{ik}+n-D)}^{n+j_{sa}-s} \sum_{j_{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j^{sa} + j_{ik} - \mathbf{l}_{sa} - j_{sa})!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - \mathbf{l}_{ik} - s)!}{(D + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\Delta} \sum_{(j_{ik} + j_{sa} + j_{sa}^{ik} - D - s)}^{(\mathbf{n} + j_{sa} - s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\begin{aligned}
 & \sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{\substack{j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1)} \\
 & \quad \frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_{sa}+j_{sa}-s-j_{sa}^s)} (n_{sa}=n_{ik}+j_{sa}^s-j_{sa}^s-\mathbb{k})}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)!} \cdot \\
 & \quad \frac{(l_s - s)!}{(l_s + j_{sa}^s - l_{ik} - j_{sa}^s - s - 1)! \cdot (j_{ik} + j_{sa}^{ik} - 1)!} \cdot \\
 & \quad \frac{(D - s)!}{(D + j^{sa} + s - \mathbf{n} - j_{sa}^s - s)!} \cdot (\mathbf{n} + j_{sa} - s - j^{sa})! \\
 & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
 & j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
 & j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
 & j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge \\
 & (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\
 & j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge
 \end{aligned}$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)} \sum_{j^{sa} = l_{sa} + \mathbf{n} - s}^{n + j_{sa} - s} \\
 &\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik})}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n_{ik} + j_{ik} - \mathbb{k}}^{n_{ik} - j_{ik} - \mathbb{k}} \\
 &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
 &\quad \frac{(\mathbf{n} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
 &\quad \sum_{k=1}^{()} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s} \\
 &\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)} \\
 &\quad \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{()} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{(n_{is} - j_s + 1)} \\
 &\quad \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.
 \end{aligned}$$

g i u d i

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z \neq 1 \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = \mathbf{l}_s + \mathbf{n} + j_{sa}^{ik} - D - 1)}^{n_i} \sum_{j^{sa} = \mathbf{l}_{sa} + \mathbf{n} - D}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}, \\ j^{sa} = l_i + n + j_{sa} - D - s}}^{} n_{ik}^{n-j_{sa}-s}$$

$$\sum_{n_i = n + \mathbb{k}}^{} \sum_{\substack{() \\ (n_i - j_{sa}) \\ (n_i - j_{sa}^{ik} - j_{ik})}}^{} (n_i - j_{sa})$$

$$\sum_{n_{ik} = n + \mathbb{k} + j_{sa}^{ik} - j_{sa}}^{} \sum_{\substack{() \\ n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}}^{} (n_{ik} + j_{ik} - j^{sa} - \mathbb{k})$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_{sa} - s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge I > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge j_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1} \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - 1)}^{(l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1)} \sum_{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j_{sa}^{ik}}^{n_{ik} + j_{ik} - j_{sa}^{ik} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_{ik} - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa}^{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^{ik} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j_{sa}^{ik} - l_{ik})! \cdot (j_{sa}^{ik} + j_{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{ik} - s)!} +$$

$$\sum_{k=1}^{l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa}} \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{(\mathbf{n} + j_{sa}^{ik} - s)} \sum_{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j_{sa}^{ik} + 1}^{n_{ik} + j_{ik} - j_{sa}^{ik} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa}^{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^{ik} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{(j_{ik} = \mathbf{l}_i + \mathbf{n} + j_{sa}^{ik} - D + k) \wedge (j_{sa} = j_{ik} + j_{sa} - j_{sa})} \sum_{(n_{is} = \mathbf{n} + \mathbf{k} + j_{sa}^{ik} - j_{ik})}^{(\mathbf{n} + j_{sa}^{ik} - s)}$$

$$\sum_{n_{ik} = n_{is} + j^{sa} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbf{k})}^{(\mathbf{n})}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \wedge j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} \sum_{k=1}^{j_{sa}^{ik} - D - j_{sa} - 1} \sum_{(j_{ik} = l_{ik} + n - D)}^{n} \sum_{j^{sa} = l_{sa} + n - D}^{n + j_{sa} - s}$$

$$\sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^n \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_s = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - j_{ik} - 1 + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - \mathbf{n} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{\left(\right)} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{is} + 1)} \sum_{n_s = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}}^{\left(\right)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{\epsilon_Z} S_{j_{ik}}^{iS_a} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=\mathbf{l}_{sa}+\mathbf{n}-D}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot$$

$$\frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (s-l_s-1)!} \cdot \\ \frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_{sa}-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \leq l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + j_{sa} - j_{sa}^{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - j_{sa}^{ik} \wedge \\ \{j_{sa}^s, \dots, j_{sa}^i\} \subseteq \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k}$$

$$\mathbb{I}_z : z = \mathbb{k} \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D \\ j_{sa}=j_{ik}+j_{sa}-j^{sa}}} \sum_{\substack{j_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik} \\ n_{ik}=n_{is}+j_{sa}^s \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^s \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \sum_{\substack{j_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik} \\ n_{ik}=n_{is}+j_{sa}^s \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(\mathbf{d} + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} - \mathbf{n} \wedge l_s > 1 \wedge \mathbf{n} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + j^{sa} > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D - l_i) \geq n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = & \left(\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
& \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(n_{sa} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik}) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} - j_{sa} - s)!} \right) + \\
& \left(\sum_{k=1}^n \sum_{\substack{(j^{sa}+j_{sa}^{ik}-j_{sa}-1) \\ (j_{ik}=j_{sa}^{ik}+1)}} \sum_{j^{sa}=j_{sa}+2}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
& \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik}) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.
\end{aligned}$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - s - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(s - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (s - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_s - j_{sa}^{ik} - 1)!}{(\mathbf{l}_s - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - \mathbb{k})! \cdots (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\mathbf{l}_s} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\mathbf{l}_s} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{\mathbf{l}_s} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\mathbf{l}_s)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{l_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(l_{ik})} \right. \\ \left. \sum_{n_i = \mathbf{n} + \mathbb{k}}^{(j_{ik} + 1)} \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \right. \\ \left. \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \right. \\ \left. \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \right.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Biggr) +$$

$$\left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{l_{sa}} \right.$$

gündem

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l^{sa} - l_{ik} - 1)! \cdot (j^{sa} + l_{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D - j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(n_i-j_{sa}^{ik}-k)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}-j_{ik}+1)}^{\infty} \sum_{n_{sa}=n-j^{sa}+1}^{\infty} \sum_{l_s+j_{sa}-1}^{\infty} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)! \cdot (n_i - n_{ik} - 1)!} \cdot \\ &\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{sa}^{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \end{aligned}$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{l}_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=\mathbf{l}_s+j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l^{sa} - l_{ik} - 1)! \cdot (j^{sa} + j_{sa} - l_{sa} - j_{sa})!}.$$

$$\frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{\left(\right)} (n_i - j_{is} + 1)$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}-1)}^{(j_{ik})} \frac{\sum_{j_{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}}}{(j_{sa}^{ik}-j_{sa})!} \right. \\ \frac{(n_i-j_{ik}+1) \cdots n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}{(n_{ik}-\mathbb{k})! \cdots (n_{ik}+j_{ik}-n_{sa}-j_{sa}^{ik}-\mathbb{k})!} \cdot \\ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdots (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j_{sa}^{ik}-j_{ik}-1)! \cdots (n_{ik}+j_{ik}-n_{sa}-j_{sa}^{ik}-\mathbb{k})!} \cdot \\ \frac{(n_{sa}-1)!}{(n_{sa}+j_{sa}^{ik}-\mathbf{n}-1)! \cdots (\mathbf{n}-j_{sa}^{ik})!} \cdot \\ \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdots (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\left. \frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdots (n+j_{sa}-j_{sa}^{ik}-s)!} \right) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j_{sa}=j_{sa}+2}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}^{ik}+1}^{n_{ik}+j_{ik}-j_{sa}^{ik}-\mathbb{k}}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdots (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j_{sa}^{ik}-j_{ik}-1)! \cdots (n_{ik}+j_{ik}-n_{sa}-j_{sa}^{ik}-\mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik}=j_{sa}^{ik}+1, \\ j_{ik} \leq n_{ik}-1}}^{(\mathbf{l}_{ik})} \sum_{\substack{a=l_{ik}+j_{sa}-j_{sa}^{ik}+1, \\ a \leq n_{sa}-1}}^{l_{sa}} \dots$$

$$\sum_{i=1}^n \sum_{\substack{(n_{ik}=n+j_{ik}+1) \\ (n_{ik} \leq n_{is}-1)}}^{(n_{ik}-1)} \sum_{\substack{(n_{ik}-r_{ik}-1) \\ (n_{ik}-r_{ik}-1 \leq n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})}}^{n_{sa}=n-j^{sa}+1} \dots$$

$$\frac{(n_i - r_{ik} - 1)!}{(j_{ik} - r_{ik} - 1) \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - r_{ik} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - \mathbb{k} - 1) \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{() \\ (j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \dots$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{()}^{()} (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} \bullet_{ik} \wedge$$

$$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - \mathbb{k} \wedge j_{sa}^s \leq j_{sa}^s - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \dots \wedge$$

$$\mathbb{k}: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{l_{sa}=l_s+j_{sa}}^{l_s+j_{sa}-1} \right. \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \\ \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-1)} \sum_{l_{sa}=l_s+j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j_{sa}^{ik} + \dots - j_{sa})}} \sum_{\substack{() \\ (j^{sa} = j_{sa} + \dots - j_{sa}^{ik} - 1)}} l_{sa} - l_{ik} - 1$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}}^{\infty} \sum_{\substack{() \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} l_{sa} - l_{ik} - 1$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + j_{sa} = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \left(\sum_{k=1}^n \sum_{\substack{(j_{ik}=j_{sa}^{ik}+1)} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{(l_{ik})} \right. \\ &\quad \sum_{n_i=n+\mathbb{K}}^n \sum_{\substack{(n_i-j_{ik}+1)} (n_{ik}=n+\mathbb{K}-j_{ik}+1)}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{K}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{K}} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ &\quad \frac{(n_{ik} - n_{sa} - \mathbb{K} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{K})!} \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\ &\quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(\mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) + \\ &\quad \left(\sum_{k=1}^n \sum_{\substack{(l_{ik}) \\ (j_{ik}=j_{sa}^{ik}+1)} (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1)}^{l_{sa}} \right. \\ &\quad \sum_{n_i=n+\mathbb{K}}^n \sum_{\substack{(n_i-j_{ik}+1)} (n_{ik}=n+\mathbb{K}-j_{ik}+1)}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{K}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{K}} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ &\quad \frac{(n_{ik} - n_{sa} - \mathbb{K} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{K})!} \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}. \end{aligned}$$

$$\begin{aligned}
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) - \\
& \sum_{k=1}^{(l_{ik}-k+1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}}^{(n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})} \\
& \frac{(n_{ik}+j_{sa}-s-s)!}{(n_{ik}+j^{sa}-n_{is}-l_{sa})! \cdot (n_{sa}+j_{sa}-s-j^{sa})!} \cdot \\
& \frac{(l_{ik}-2)!}{(l_{ik}-j_{ik}-1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
& \frac{(D-l_i)!}{(D+j^{sa}+\mathbf{n}-l_i-j_{ik})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}
\end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s < D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{ik} \leq \mathbf{n} + j_{sa} - s$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n}$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s > s + \mathbb{k} \wedge$$

$$\mathbb{k}_z \cdot z = 1 \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^{(l_s+j_{sa}^{ik}-1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - l_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{l_{sa}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_s + j_{sa}^{ik} - 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{l_{sa}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{(l_s+j_{sa}^{ik}-k)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)!} \cdot \frac{(n+j_{sa}-s-j^{sa})!}{(D-j_{sa})!} \\ & \frac{(l_s-\Delta)}{(l_s+j_{sa}^s-j_{ik}-1) \cdot (j_{ik}+j_{sa}^{ik}-1)!} \\ & \frac{(D-s)!}{(D+j^{sa}+s-\mathbf{n}-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}. \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$l_{sa} \leq \mathbf{n} + j_{sa} - \mathbf{n} \wedge l_{sa} \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge z = \mathbb{k} > 0)$$

$$j_{sa} - j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{s} \wedge s = s +$$

$$\mathbb{k}_z : z = 1$$

$${}_{fz}S_{j_{ik},j^{sa}}^{\text{iso}} = \sum_{k=1}^{(l_s+j_{sa}^{ik}-1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - s)!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=0}^{\min(n_i - n_{ik} - j_{sa}^{ik}, \mathbf{l}_{sa} - j_{sa}^{ik} - k)} \sum_{\substack{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \\ n_i = n + \mathbb{k}}}^{(n_i - j_{sa}^{ik})}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{sa} + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(\)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\mathbf{n} \geq \mathbf{n} < \mathbf{l}_s \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1} \sum_{(j_{ik}=j^{sa}+j^{ik}-l_{sa})}^{\binom{}{}} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{+j_{sa}-1} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-1)} \sum_{n_{ik}+j_{ik}-j^{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \\ \frac{(n_{sa}-1)!}{(j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \\ \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} \Big) + \\ \left(\sum_{k=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \\ \frac{(n_{sa}-1)!}{(j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}} \sum_{\substack{j_{ik} = k+1 \\ j^{sa} = l_s + j_{sa}}}^{n + j_{sa} - s}$$

$$\sum_{n_i=1}^{\mathbf{l}_i - 1} \sum_{\substack{(n_{ik} = n + j_{ik} + 1) \\ n_{sa} = n - j^{sa} + 1}}^{(n_i - j_{ik} - 1) - (n_i - j_{ik} - j^{sa} - \mathbf{k})}$$

$$\frac{(n_i - j_{ik} - 1)!}{(j_{ik} - j_{ik} + 1) \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - j_{ik} - \mathbf{k} - 1)!}{(j^{sa} - j_{ik} - 1) \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbf{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}} \sum_{\substack{() \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}}}^{n + \mathbf{l}_s + j_{sa} - D - s} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ l_i + \mathbf{n} + j_{sa} - D - s}}$$

$$\sum_{n_i=\mathbf{n}+\mathbf{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbf{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!}$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} \bullet_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - \mathbb{k} \wedge j_{sa}^s \leq j_{sa}^s - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{z} \wedge$$

$$\mathbb{k} \cdot z = 1)$$

$$fz^{j_{ik}^{so}, j^{sa}} = \left(\sum_{k=1}^{(\mathbf{l}_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = \mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{(\mathbf{l}_s + j_{sa}^{ik} - 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{\mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1} \sum_{j_{ik} = j_{sa}^{ik} + 1}^{n_{ik}} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{n_{sa} - l_{sa} + \mathbf{n} - D} \right.$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1}^{n_i - j_{ik} + 1} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j^{sa} - j_{ik} - 1)! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\mathbf{l}_{sa} + j_{sa}^{ik} - 1} \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{n_{sa} - l_{sa} + \mathbf{n} - D}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{n_i - j_{ik} + 1} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

gündün

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D-s \\ j_{sa}=j_{ik}+j_{sa}-j_{sa}}}^{(\mathbf{l}_{ik})} \sum_{\substack{j_{sa}=j_{ik}+j_{sa}-j_{sa} \\ j_{sa}=j_{sa}+s+1-k \\ n_{is}=n+k+j_{sa}^{ik}-j_{ik}}}^{(j_{sa}+s+1-k)}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa} \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbf{k}}} \sum_{\substack{() \\ ()}}$$

$$\frac{(\mathbf{n}_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$+ \frac{(\mathbf{D} - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1) \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{ik} \wedge j_{sa}^{ik} \leq j_{sa} \wedge$$

$$j_{ik} \leq j_{sa} \wedge j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$j_{ik} - j_{sa}^{ik} + \mathbf{l}_s = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \geq 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{n_i = n + \mathbb{k}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(j_{ik} + j_{sa} - \mathbb{k} - 1)} \sum_{j_{sa} = l_{sa} + \mathbf{n} - D}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \right. \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ \left. \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \right).$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{ik} - s)!} +$$

$$\left(\sum_{k=1}^{n_i = n + \mathbb{k}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(j_{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{j_{sa} = l_{sa} + \mathbf{n} - D}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \right. \\ \left. \sum_{n_{sa} = n - j_{sa} + 1}^{n_{ik} + j_{ik} - j_{sa}^{ik} - \mathbb{k}} \right)$$

$$\sum_{n_{ik} = n + \mathbb{k}}^n \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j_{sa} + 1}^{n_{ik} + j_{ik} - j_{sa}^{ik} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbb{k})!} +$$

$$\sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(n_i-j_{ik}-1)} \sum_{j_{sa}=n-j^{sa}+1}^{n+j_{sa}-s} \sum_{j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}-1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\left(\right)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=l_t+n+j_{sa}-D-s}^{l_s+j_{sa}-1}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^s)}^{\left(\right.\left.\right)} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - n - j_{sa}^s)! \cdot (n + j_{sa} - s - j_{sa}^s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_i - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_{sa}^s + s - n - l_i - j_{sa}^s)! \cdot (n - l_i - j_{sa}^s - s)!}
 \end{aligned}$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^s \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{ik} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + (s - l_i - j_{sa}^s - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \geq 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^s \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$(j_{sa}^s + j_{sa}^{ik} - j_{sa} \leq l_{sa} \leq D - (l_{ik} + j_{sa} - n - j_{sa}^{ik})) \wedge$$

$$(D \geq n < n \wedge l_s \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{j_s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{\substack{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}) \\ (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{\substack{(l_{ik})}} \right.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1) \\ (n_{sa}=\mathbf{n}-j^{sa})}}^{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \sum_{n_{sa}=\mathbf{n}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n - \mathbf{n} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\left. \frac{(D + \mathbf{n} - l_{sa} - s)!}{(D - n_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\sum_{k=1}^n \sum_{\substack{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1) \\ (j_{ik}=j_{sa}^{ik}+1)}}^{\substack{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1) \\ (n+j_{sa}-s)}} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1) \\ (n_{sa}=\mathbf{n}-j^{sa}+1)}}^{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n+j_{sa}-s}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}}}^{\left(l_{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{n_{ik}=n+\mathbb{k}-j_{ik}+1}}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - s - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - s - n - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_s - j_{sa}^{ik} - 1)!}{(\mathbf{l}_s - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - \mathbb{k})! \cdots (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_s+n+j_{sa}^{ik}-D-s}}^{(l_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik}}}^{(n_i-j_{is}+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}} \sum_{\substack{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} - s > \mathbf{n} - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^1\} \wedge$

$s \geq 5 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+e_{ik}, \dots, l_{ik}+j_{sa}^{ik}-1)}^{(l_{ik})} \Delta_{n_{sa}-s}$$

$$\sum_{n_i=n-s}^n \sum_{(n_i-j_{ik}+1, \dots, n_{ik}+j_{ik}-1)}^{(n_i-1+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-1-k}$$

$$\frac{(n_i - n_{ik})!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbf{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbf{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbf{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbf{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-1+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{\mathbf{l}_{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbf{k})}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa})!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge I < \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{\mathbf{n}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{l}_i+n+j_{sa}^{ik}-D-s-1)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - l_{sa})!} +$$

$$\sum_{\substack{(j_{ik}=l_i+n+\\j_{sa}^{ik}-D-s)}}^{\substack{(l_{ik})}} \sum_{\substack{n+\\j_{sa}-s}}^{\substack{(n+\\j_{sa}-s)}} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}}^{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \\ \sum_{\substack{n_i=n+\mathbb{k}(n_{ik}+j_{sa}-\mathbb{k}-j_{ik}+1)}}^n \sum_{\substack{(n_i-j_{ik}-1)}}^{\substack{(n_i-j_{ik}-1)}} \sum_{\substack{n_{sa}=n-j^{sa}+1}}^{\substack{n_{sa}=n-j^{sa}+1}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\substack{(l_{ik})}} \sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}}^{\substack{(j_{ik})}} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}, \dots)}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_s - 1)!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i \wedge l_{ik} \wedge l_i - j_{sa} - s = \dots \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^s - j_{sa}^{ik} - 1 \leq j_{sa} \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^i\} \cup \{\mathbb{k}, j_{sa}, j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k}$$

$$\mathbb{K}_z : z = \dots \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{l_s + j_{sa} - 1} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l}_{sa} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa})!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbf{l}_{sa})!} +$$

$$\sum_{\substack{i=1 \\ (j_{ik} = j_{sa}^{ik})}}^n \sum_{\substack{(n_i - j_{ik}) \\ (n_{ik} = n_{sa} - \mathbb{k} - j_{ik} + 1)}}^{n-j_{sa}+1} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = \mathbf{n} - j^{sa} + 1}}^{n+j_{sa}-s}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa})}^{(\)} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot \frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (s-l_s-1)!}}{(n_{sa}+j^{sa}+s-\mathbf{n}-l_{sa})! \cdot (n+l_{sa}-j^{sa}-s)!}.$$

$$\frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_{sa})! \cdot (n+l_{sa}-j^{sa}-s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i \wedge l_{ik} \wedge l_i - j_{sa} - s = \mathbf{n} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^s - j_{sa}^{ik} - 1 \leq j_{sa} - j_{sa}^i \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^i, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{s} \wedge s = s + \mathbb{k}$$

$$\mathbb{K}_z : z = \mathbb{z} \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l}_{sa} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa})!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbf{l}_{sa})!} +$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s) \\ (j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}}^{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)} \sum_{\substack{n+j_{sa}-s \\ (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})}}^{n+j_{sa}-s} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ (n_{ik}+j_{ik}-n_{sa}-j^{sa}+1)}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s) \\ (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{(\mathbf{l}_{ik})} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right.} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbf{s})}^{\left.\right)} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot$$

$$\frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (s-l_s-1)!} \cdot \\ \frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\ j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \leq l_{ik} \wedge l_i - j_{sa} - s > l_s \wedge \\ l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - j_{sa}^i \wedge \\ s \in \{j_{sa}^s, \dots, j_{sa}^i\} \cup \{\mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k}$$

$$\mathbb{K}_z : z = \mathbb{k} \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right.} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik} = j^{sa} + j_{sa} - j_{sa}) \\ j^{sa} = j_{sa}}} \frac{l_{ik} + \mathbb{k} - j_{sa}^{ik}}{l_{ik} - j_{ik}}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s}^{\infty} \sum_{\substack{j_{sa}^{ik} \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} \frac{(-j_{sa} + 1)}{n_{is} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}$$

$$\frac{(n_{sa} + j^{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_i \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + l_{sa} + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}} \\ &\quad \frac{(n_i-j_{ik}-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-1)!} \cdot \\ &\quad \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 \\ &\quad \frac{(n_{sa}-n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!}{(\mathbf{n}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \\ &\quad \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}+j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ &\quad \frac{(D+i-s-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} - \\ &\quad \sum_{k=1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)} \\ &\quad \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot \\ &\quad \frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ &\quad \frac{(D-\mathbf{l}_i)!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l}_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z \omega_{J_{ik}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = \mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{ik} = j_{ik} - j^{sa} - \mathbb{k}}^{n_{ik} - j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - j_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = \mathbf{l}_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{is} + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik}}^{\left(\right)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}^{ik} - a}^{\mathbf{n}} = \sum_{k=1}^n \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{(l_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{n_i = n + \mathbb{k}}^{(n_i - j_{ik} + 1)} \sum_{n_{ik} = n + \mathbb{k} - j_{ik} + 1}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(l_s+j_{sa}^{ik}-1)} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})} \Delta^{\left(\begin{array}{c} n \\ n_{ik} \end{array}\right)} \Delta^{\left(\begin{array}{c} n \\ n_{sa} \end{array}\right)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^{ik} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)!(n + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - s - 1)!}{(l_s + j_{sa} - l_{ik} - 1)!(j_{ik} + j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - s - 1)!}{(D + j^{sa} + s - \mathbf{n} - j_{sa})!(n + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbb{k} = \mathbb{k} > 0)$$

$$j_{sa} - j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$\{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s \wedge$$

$$\mathbb{k}_z \cdot z = 1,$$

$${}_{fz}S_{j_{ik},j^{sa}}^{\text{iso}} = \sum_{k=1}^{()} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{(n+j_{sa}-s)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j^{ik}-j_{sa}) \\ (n_{ik}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{} \sum_{\substack{(l_s+j_{sa}-1) \\ (n_i-j_s+1)}}^{} \sum_{\substack{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{} \sum_{\substack{(\) \\ (n_{sa}+j_{sa}-s-j_{sa}^s)! \\ ((D+j^{sa}-\mathbf{n}-l_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!)}}^{} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$D \geq i < n \wedge l_s \leq l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$+ j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\infty} \\
 &\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik})}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n_{ik} + j_{ik} - j_{sa} - \mathbb{k}}^{n_{ik} - j_{ik} - j^{sa} - \mathbb{k}} \\
 &\quad \frac{(n_{ik} - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \mathbb{k} - 1)!} \cdot \\
 &\quad \frac{(n - 1)!}{(n_{sa} - n_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
 &\quad \sum_{k=1}^{\infty} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{\infty} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\infty} \\
 &\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{is} + 1)} \\
 &\quad \sum_{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik}}^{\infty} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{\infty} \\
 &\quad \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot \\
 &\quad \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < l_{ik} \leq D + l_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$s \cdot S_{i, sa}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j_{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{() \\ j^{sa} = l_{ik} + \mathbf{n} + j_{sa} - D - j_{sa}^{ik}}}^{n+j_{sa}-s} \sum_{\substack{() \\ n_i = \mathbf{n} + \mathbb{k} \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}}^n \sum_{\substack{() \\ (n_i - j_{ik} + 1) \\ n_{sa} = n - j^{sa} + 1}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{() \\ j^{sa} = l_{ik} + \mathbf{n} + j_{sa} - D - j_{sa}^{ik}}}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right.} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left.\right)} \frac{(n_{sa}+j_{sa}-s-j_{sa}^s)!}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}-s-j^{sa})!} \cdot$$

$$\frac{(l_s-2)!}{(l_s+j_{sa}^{ik}-j_{ik}-1)! \cdot (s-l_s-1)!} \cdot \\ \frac{(D-l_i)!}{(D+j^{sa}+s-\mathbf{n}-l_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{i-1} > l_{ik} \wedge l_i - j_{sa} - s = 1 \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i-1} - 1 \wedge j_{sa}^{i-1} \leq j_{sa} - 1 \wedge j_{sa}^{i-1} \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^{i-1}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k}$$

$$\mathbb{K}_z : z = \dots \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - l_{sa})!} +$$

$$\sum_{k=1}^{l_{ik}} \sum_{\substack{(j_{ik} = j^{sa} + n - D) \\ (n_i = n + \mathbb{k} (n_{ik} - j_{ik} + 1))}}^{\left(l_{ik}\right)} \sum_{j_{sa} = j^{sa} + 1}^{n + j_{sa} - s} \sum_{\substack{(n_i - j_{ik} - 1) \\ (n_{sa} = n - j^{sa} + 1)}}^{\left(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}\right)} \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{sa}^{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\left(\right)} \sum_{\left(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}\right)}^{\left(\right)} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - i_{sa})! \cdot (\mathbf{n} + i_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - i_{sa} > l_{ik} \wedge l_i - i_{sa} - s = 0 \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i < j_{sa} - 1 \wedge j_{sa}^s - j_{sa}^{ik} - 1 < j_{sa} - j_{sa}^i \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^i, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k}$$

$$\mathbb{K}_z : z = \dots \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - l_{sa})!} +$$

$$\sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s) \\ n_i=n+\mathbb{k}(n_{ik}+\mathbb{k}-j_{ik}+1)}}^{\substack{(l_{ik}) \\ n}} \sum_{\substack{(n_i-j_{ik}-1) \\ n_{sa}=n-j^{sa}+1}}^{\substack{n+j_{sa}-s \\ n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \sum_{\substack{n_i-n_{ik}-1 \\ n_i-j_{ik}+1}}^{\substack{n+j_{sa}-s \\ n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \sum_{\substack{n_i-n_{ik}-1 \\ n_i-j_{ik}+1}}^{\substack{n+j_{sa}-s \\ n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\substack{(l_{sa}+j_{sa}^{ik}-1) \\ (j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\substack{(l_{sa}+j_{sa}^{ik}-1) \\ (j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{(\)} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_s - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq (s + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq l_i + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + j_{sa}^{sa} - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} + j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j^{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(n - l_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa} - 1)!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} + j_{ik} - l_{sa} - 1)! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(D - j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{iso}} = \frac{\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(n_i-j_{ik}+1)} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}}{\sum_{n_i=n+\mathbb{k}}^{n_i-n_{ik}-1} \sum_{(n_{ik}-n_{sa}-\mathbb{k}-1)+1}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \cdot \frac{(n_i - n_{ik} - 1)!}{(n_{ik} - n_{sa} - \mathbb{k} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!} \cdot \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^{sa} - s)!}$$

A
Y
N
I
N
Y
A

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + s \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$(\mathbf{n} \geq \mathbf{n} < n \wedge \mathbf{l} = \mathbb{k} > \mathbb{m} \wedge$$

$$j_{sa}^{i-1} \leq j_{sa}^i - 1 \wedge j_{sa}^{i-1} \leq j_{sa}^i \wedge \dots \wedge j_{sa}^{i-k} \leq j_{sa}^{i-k-1} \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}^{i-k}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = \mathbb{s} \wedge \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbb{m}} = \mathbb{s} \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa})!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbf{l}_{sa})!} -$$

$$\sum_{\substack{k=1 \\ =j_{sa}^{ik}+1}}^{\mathbf{l}_s+j_{sa}^{ik}-1} \sum_{\substack{i_s=j_{sa}+1 \\ =n+\mathbb{k}}}^{n_i-j_s+1} \sum_{\substack{(n_i-j_s+1) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik} \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} (n_{sa} + j_{sa} - s - j_{sa}^s)!.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq n \wedge \mathbf{l}_s > \mathbf{n} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa} + j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i-j_{ik}+1)} \\
 &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}+j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{ik}-1}^{(n_i-j_{ik}+1)-j_{sa}-\mathbb{k}} \\
 &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - \mathbf{Z})! \cdot (n_{ik} - n_{sa} - j_{ik} + 1)!} \cdot \\
 &\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \cdot \\
 &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j_{ik} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \cdot \\
 &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa} - s)!} - \\
 &\quad \sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=l_{i}+\mathbf{n}+j_{sa}^{ik}-D-s)}^{(l_{ik})} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i-j_{ik}+1)} \\
 &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})}^{(n_i-j_{ik}+1)} \\
 &\quad \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j_{sa}^s)!} \cdot \\
 &\quad \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
 \end{aligned}$$

gündüz

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_Z S_{j_{ik}, \mathbf{l}_i}^{n, \mathbf{n}} = \sum_{k=1}^{\mathbf{l}_i} \sum_{(j_{sa} = j_{sa}^{ik} + 1)}^{(\mathbf{l}_i - j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{n_i - j_{ik} + 1} \\ \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_s + j_{sa}^{ik} - k)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{(\)} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa}^s - n - j_{sa}^s)! \cdot (n + j_{sa} - s - j_{sa}^s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (s - l_s - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - n - l_i - j_{sa}^s)! \cdot (n + j_{sa} - j_{sa}^{sa} - s)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa}^{sa} = l_{ik} \wedge l_i - j_{sa} - s > 0 \wedge$$

$$D + s - n < l_i \leq D + l_s - s - n - 1 \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i-1} \wedge j_{sa}^{i-1} \leq j_{sa} - 1 \wedge j_{sa}^{i-1} \leq j_{sa}^{ik} - j_{sa}^{sa} \wedge$$

$$s \in \{j_{sa}^{i-1}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k}$$

$$\mathbb{K}_z : z = \dots \Rightarrow$$

$$\begin{aligned}
 f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{l_{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}} \\
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}^s-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}
 \end{aligned}$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{(l_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D)} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{ik}^{ik})} \dots$$

$$\dots \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})} \dots$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s} \sum_{j_{sa}^{ik}} \left(\dots \right)$$

$$\frac{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)!) \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa} \geq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq \mathbf{n} + s - \mathbf{n} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$l_{sa} - j_{sa} + 1 > l_s \wedge$
 $l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + s - n) \vee$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$
 $l_i \leq D + s - n) \vee$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$
 $l_i \leq D + s - n) \wedge$

$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$

$s \geq 5 \wedge s = s +$

$\mathbb{k}: z = 1)$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\left(j^{sa}+j_{sa}^{ik}-j_{sa}\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\
 \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
 \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\sum_{i=1}^{l_{ik}} \binom{l_{ik}}{j_{ik}=j_{sa}^{ik}+e_i-\mathbf{l}_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{n_i=n+\mathbf{k}+1-j_{ik}+1}^{(n_i-j_{ik}+1)} \sum_{n_{ik}+j_{ik}-\mathbf{l}_{ik}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-\mathbf{l}_{ik}-\mathbf{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbf{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbf{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(\mathbf{n} - j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\sum_{i=1}^{l_s} \binom{l_s}{j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbf{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbf{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^{ik}}^{\sum_{i=1}^{l_s} \binom{l_s}{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbf{k})}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa})!}.$$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$

$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$

$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$

$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{K} > 0 \wedge$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}+j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{(n_{ik}+j_{sa}-j^{sa}-\mathbb{k})} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - \mathbb{Z})! \cdot (n_{ik} - n_{sa} - j_{ik} + 1)!} \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{sa} - n_{sa} - j^{sa} - \mathbb{k})!} \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
&\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{ik} + j_{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
&\quad \sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{sa}+1)} \\
&\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)} \\
&\quad \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.
\end{aligned}$$

g i u l d i

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - n - l_i - j_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \wedge$$

$$D + s - n < l_i \leq D + l_{sa} + s - n - j_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i - j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}^s, \dots, j_{sa}^{ik} - 1\} \subset \{\mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{k} \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{E}_z : z =$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{\binom{l_{ik}}{l_{ik}}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\infty} \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(\mathbf{n}_{sa} - 1)!}{(\mathbf{n}_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - 1} \sum_{\substack{j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - s \\ j^{sa} = j_{ik} + j_{sa} - j_{ik}^{ik}}} \sum_{\substack{n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik} \\ n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}}$$

$$-j_s + 1) \\ n_{is} + \mathbb{k} (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})$$

$$\sum_{\substack{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}} \sum_{\substack{(\) \\ ()}}$$

$$\frac{(D + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(\mathbf{l}_i + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa} + j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + j_{sa} \geq \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{iso}} = \frac{\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{l_{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \sum_{n_i=n+\mathbb{k} (n_{ik}=\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \cdot \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}}$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j_{sa}=l_{sa}+n-D}^{l_{sa}+j_{sa}-1} \sum_{n_i=n+\mathbb{k} (n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{is}+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - \mathbb{k})!}$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \wedge (D + \mathbf{l}_s - \mathbf{n} - j_{sa}^{ik} - (\mathbf{n} - 1)) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z \cdot z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{\left(j^{sa} + j_{sa}^{ik} - j_{sa}\right)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{\left(j^{sa} + j_{sa}^{ik} - j_{sa}\right)} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(l_{sa} + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{j^{sa} = l_s + j_{sa}}^{n + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\binom{(\)}{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)}$$

$$\frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})}{(n_{sa}+j^{sa}-\mathbf{n}-j_{sa}^s)!(\mathbf{n}+j_{sa}-s-j_{sa})!}.$$

$$\frac{(l_s-1)!}{(l_s+j_{sa}-l_{ik}-1)!\cdot(j_{ik}-j_{sa}^{ik}-1)!} \cdot \frac{(D-s)!}{(D+j_{sa}+s-\mathbf{n}-j_{sa})!(\mathbf{n}+j_{sa}-j^{sa}-s)!}.$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} \leq l_{sa} \leq \mathbf{n} + l_{ik} + j_{sa} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < l_i < D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} - j_{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$j_{sa} + j_{sa}^{ik} - j_{sa} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=j_{sa}+1 \\ (n_i=n+\mathbb{k})}}^{\left(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1\right)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s} \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i=j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{n_{ik}+j_{ik}-j^{sa}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}} \\ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1) \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \\ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \\ \frac{(l_{ik}-j_{sa}-1)!}{(l_{ik}+j_{ik})! \cdot (j_{ik}-j_{sa}-1)!} \\ \frac{(j_{ik}+j_{sa}-l_{ik}-l_{sa})!}{(j_{ik}+j_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \\ \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} + \\ \sum_{k=1}^{\infty} \sum_{\substack{(l_s+j_{sa}^{ik}-1) \\ (j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}}^{n+j_{sa}-s} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s} \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i=j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \\ \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1) \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \\ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D \\ j_{sa} = j_{ik} + j_{sa}^{ik} - j_{sa}}}^{(\mathbf{l}_{ik})}$$

$$\sum_{n_i = \mathbf{n} + \mathbf{k}}^{\mathbf{n}_i} \sum_{\substack{j_{sa} = j_{ik} + j_{sa}^{ik} - j_{sa} \\ n_i = n + \mathbf{k} + (n_{sa} + j_{sa}^{ik} - j_{sa})}}$$

$$\sum_{n_{ik} = n_i + j_{sa}^{ik} - j_{sa}}^{n_i} \sum_{\substack{j_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbf{k} \\ (n_{sa} + j_{sa}^{ik} - s - j_{sa})}}$$

$$\frac{(n_{sa} + j_{sa}^{ik} - s - j_{sa})!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_{sa} - \mathbf{s} - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{s} \geq 1 \wedge \mathbf{n} \leq D - \mathbf{s} - 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 \geq \mathbf{l}_s \wedge \mathbf{l}_s + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - s \leq \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \vee$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\beta_{j_{ik}, j^{sa}}^{SO} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = \mathbf{l}_{ik} + \mathbf{n} - D)}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = \mathbf{l}_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} + \mathbb{k} - j^{sa} - \mathbb{k}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_s} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{\left(\right)} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{is} + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik}}^{\left(\right)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + j_{sa} - s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_{ik}+n-D) \\ n_i=n+\mathbb{k}}}^{\left(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1\right)} \sum_{\substack{j^{sa}=l_{sa}+n-D \\ n_{sa}=n-j^{sa}+1}}^{\mathbf{n}+j_{sa}-s} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ n_{ik}=n+\mathbb{k}-j_{ik}+1}}^{\left(n_{ik}+j_{ik}-j^{sa}\right)} \sum_{\substack{n_{sa}=n-j^{sa}+1 \\ n_{ik}-n_{sa}-\mathbb{k}-1}}^{\left(n_{ik}-n_{sa}-\mathbb{k}-1\right)!} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \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 \\ &\quad \frac{(n_{sa} - \mathbb{k} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(n_{ik} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\ &\quad \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}) \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{\left(l_{ik}\right)} \sum_{\substack{n+j_{sa}-s \\ n_{sa}=n-j^{sa}+1}}^{\mathbf{n}+j_{sa}-s} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ n_{ik}=n+\mathbb{k}-j_{ik}+1}}^{\left(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}\right)} \sum_{\substack{n_{sa}=n-j^{sa}+1 \\ n_{ik}-n_{sa}-\mathbb{k}-1}}^{\left(n_{ik}-n_{sa}-\mathbb{k}-1\right)!} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \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 \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \end{aligned}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D \\ j^{sa} = l_i + n + j_{sa}^{ik} - j_{ik}}}^{(l_s + j_{sa}^{ik} - 1)} \sum_{n_i = k}^{(n_i - j_{sa}^{ik})} \sum_{\substack{n_{ik} = n_i + j_{sa}^{ik} - j_{ik} \\ n_{sa} = n_i + j_{sa}^{ik} - j_{sa}}}^{(n_i - j_{sa}^{ik})}$$

$$\sum_{n_{ik} = n_i + j_{sa}^{ik} - j_{ik}}^{n_{ik} = n_i + j_{sa}^{ik} - j_{sa}} \sum_{n_{sa} = n_i + j_{sa}^{ik} - j_{sa}}^{n_{ik} + j_{ik} - j^{sa} - k}$$

$$\frac{(n_{sa} + j_{sa}^{ik} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_{sa} - s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_{sa} = D + j_{sa} \wedge \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{sa} \leq j^{sa} + j_{sa}^{ik} \wedge j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{sa} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge j_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$< j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{n} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})!} +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{\left(\right)} \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\frac{\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_i-j_{ik}-j^{sa}-\mathbb{k}}^{\left(\right)}}{(n_{sa} + j_{sa} - s - j_{sa}^s)!} \cdot \frac{(D - l_i)!}{(D + s - l_i)! \cdot (\mathbf{n} - l_i)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s > 5 \wedge s = \mathbf{n} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik}=j_{sa}^{ik}}} \sum_{\substack{() \\ j_{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{() \\ (n_i-j_{ik}+1)}} \sum_{\substack{() \\ n_{sa}-n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}}$$

$$\frac{(n_{sa} - j_{sa} - s + s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa})! \cdot (\mathbf{n} + j_{sa} - s + j^{sa})!}.$$

$$\frac{(D - l_i)!}{(s + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_{sa} \leq D \wedge \mathbf{n} < n \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge n_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{n} + j_{sa} - s \wedge$$

$$(\mathbf{n} \geq \mathbf{n} < n \wedge s = \mathbb{k} > s) \wedge$$

$$j_{sa} - j_{sa}^{i} - 1 \wedge j_{sa}^{ik} - j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$\{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s$$

$$\mathbb{k}_z, z = 1, \dots$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{\substack{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k)} \\ (n_{sa}=n-j^{sa}+1)}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - s - l_{sa})!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} -$$

$$\sum_{\substack{n_i=n+\mathbb{k} \\ (n_{ik}=n-i_{ik}+1)}}^n \sum_{\substack{(\) \\ j_{sa}=j_{sa}}} \sum_{\substack{(\) \\ j^{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n-i_{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} \wedge j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \wedge \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq (s - \mathbf{n})$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{ik}^{ik} < j_{sa} \wedge j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{n_i} \sum_{(j_{ik}=j_{sa})}^{\left(\begin{array}{c} l_{ik} \\ j_{ik} \end{array}\right)} \sum_{a=j_{sa}}^{l_{sa}} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-\mathbb{k}-1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-a-\mathbb{k}} \\
 &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 &\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
 &\quad \frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(\mathbb{k} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
 &\quad \sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{\left(\begin{array}{c} l_{ik} \\ j_{ik} \end{array}\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{l_{sa}} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-\mathbb{k}-1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 &\quad \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} - j_{sa}^{ik} \leq \mathbb{k} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z \mapsto 1)$$

$${}_{fz}S_{j_{ik},j^{sa}}^{\text{iso}}=\sum_{k=1}^{n_i}\sum_{(j_{ik}=j_{sa}^{ik})}^{\left(l_{ik}\right)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{\substack{() \\ j_{ik}=j_{sa}^{ik}}} \sum_{\substack{() \\ j^{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{\substack{() \\ i_{ik}+1)} n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \sum_{\substack{() \\ n_{sa} = n - j_{sa}^{ik} - s}}$$

$$\frac{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^{ik})!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} \quad \wedge$$

$$\mathbf{l}_{ik} - \mathbb{k} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} >$$

$$(D \geq \mathbf{n} < n \wedge \mathbb{k} - \mathbb{k} > 0)$$

$$j_{sa} = j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$S: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{s} \quad s = s +$$

$$\mathbb{k}_z: z = 1$$

$${}_{fz} S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{() \\ j^{sa} = j_{sa}}} \right) l_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{() \\ (n_i - j_{ik} + 1)}} \sum_{\substack{() \\ (n_{ik} + j_{ik} - j^{sa} - \mathbb{k}) \\ n_{sa} = n - j^{sa} + 1}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{n} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - \mathbf{l}_{sa})!} +$$

$$\sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - \mathbb{k} - 1)} \sum_{\substack{i \\ j_{ik} = j_{sa}^{ik}}}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{i=k+1}^{n_{sa} + 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i - j_{ik}) \\ (n_i - j_{ik} - \mathbb{k} - j_{ik} + 1)}}^{n_{ik}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{ik})} \sum_{(j_{ik} = j_{sa}^{ik})}^{l_{ik}} \sum_{j^{sa} = l_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(D - j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{\left(\right)}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq n < n \wedge l_s < l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$+ j_{ik} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{iso} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_s}^{(l_{ik})} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\ \frac{(\mathbf{n} - 1)!}{(n_{sa} - n^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \left. \frac{(l_{ik} - j_{sa} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \right) +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^i+1}^{l_{sa}} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ (j^{sa}=j_{sa})}} \sum_{\substack{() \\ (n_i=n+\mathbb{k}, n_{ik}=n_i-j_{ik}+1, n_{sa}=n-s, n_{sa}-\mathbb{k})}} \frac{(n_{sa} + j_{sa} - \mathbf{l}_{sa} - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_s + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k}) \wedge 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^i, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa} \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: \mathbb{k} \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ (j^{sa}=j_{sa})}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{() \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{\substack{() \\ (n_{sa}=\mathbf{n}-j^{sa}+1)}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!}$$

$$\sum_{n_i=1}^{\infty} \sum_{(n_{ik}=n_i-\mathbb{k}-1)} \sum_{n_{sa}=n_{ik}-j^{sa}-\mathbb{k}} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}-\mathbb{k}}$$

$$\frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - j_{sa} - s - j^{sa})!}.$$

$$\frac{(D - l_i)!}{(s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - s - 1 \leq j^{sa} - l_i + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} \leq s + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - s - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

GÜNDÜZ İNŞA

$$\begin{aligned}
 & f_{2,1}(n_i, n_{ik}, n_{sa}, j_{sa}^{ik}) = \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\infty} \sum_{n_{sa}=n-j_{sa}+1}^{\infty} \sum_{j_{sa}=j_{sa}^{ik}-1}^{l_{sa}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa}^{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
 & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 & \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{sa} + j_{sa}^{ik} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
 & \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\infty} \sum_{j_{sa}=j_{sa}^{ik}-1}^{l_{sa}} \\
 & \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\infty} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{\infty} \\
 & \frac{(n_{sa} + j_{sa} - s - j_{sa}^s)!}{(n_{sa} + j^{sa} - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa} - s - j^{sa})!}.
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

gÜLDÜNYA

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 & c_z S_{j_{ik}, j_{sa}}^{\mathbb{k}} \left(\sum_{i=1}^n \sum_{(j_{ik}=j^{sa}-j_{sa}^{ik}-j_{sa})}^{(n_i-j_{ik}+1)} j^{sa} = l_{sa} + \mathbf{n} - D \right. \\
 & \quad \sum_{i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\
 & \quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \quad \left. - \frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \right. \\
 & \quad \left. \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \right. \\
 & \quad \left. \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \right. \\
 & \quad \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) +
 \end{aligned}$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} j^{sa} = l_{sa} + \mathbf{n} - D \right. \\
 \left. \sum_{i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \right. \\
 \left. \sum_{i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{sa}=n-j^{sa}+1)}^{(n_i-j_{ik}+1)} n_{sa} = n - j^{sa} + 1 \right)$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - s)!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + i_s - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa}^{ik} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{ik} - j_{sa}^{ik} - j_{sa})}} \sum_{\substack{() \\ (l_i + n + j_{sa} - D - s)}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{() \\ (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \sum_{\substack{() \\ (n_i - j_s + 1)}}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{\substack{() \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}}$$

$$\frac{(2 \cdot n_i + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_i + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{l_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-1)}^{(n+j_{sa}^{ik}-s)} \sum_{j_{sa}=j_{ik}+j_{sa}^{ik}-\mathbb{k}}^{(n+j_{sa}^{ik}-s)} \right. \\ \frac{(n_i-j_{ik}+1)!}{(n_{ik}-\mathbb{k})! \cdot (n_{ik}+\mathbb{k}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{ik}-1)!}{(j_{sa}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot \\ \frac{(n_{sa}-1)!}{(n_{sa}+j_{sa}-n-1)! \cdot (n-j_{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} \Big) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-1)}^{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j_{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_{sa} + n + j_{sa}^{ik} - D - j_{sa}}}^{\left(n + j_{sa}^{ik} - s\right)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{j_{ik} + j_{sa} - j_{sa}^{ik} + 1}$$

$$\sum_{n_i=1}^{\left(n_i - j_{ik} + 1\right)} \sum_{\substack{(n_{ik} = n + j_{ik} + 1) \\ n_{sa} = n - j^{sa} + 1}}^{\left(n_i - j_{ik} - j^{sa} - \mathbf{k}\right)}$$

$$\frac{(n_i - j_{ik} - 1)!}{(j_{ik} - j_{ik})! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - j_{ik} - s)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Biggr) -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_{i} + n + j_{sa}^{ik} - D - s}}^{\left(n + j_{sa}^{ik} - s\right)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{s})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_s)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_s - j_{sa})! \cdot (s + j_{sa} - j_{sa}^{sa} - \mathbb{s})!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{s} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, j_{sa}, \dots, j_{sa}\} \wedge$$

$$s \geq 4 \wedge \mathbb{s} \geq s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j_{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s} \right.$$

$$\left. \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \right)$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\left(\begin{array}{c} j^{sa} + j_{sa}^{ik} - j_{ik} \\ \hline l_{ik} + n - D \end{array}\right)} \sum_{n+j_{sa}-s}^{n+1} \sum_{n-D}^{n+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n-\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik})} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\left(\begin{array}{c} \) \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa} \end{array}\right)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-s)}^{\left(\right.} \\
 & \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - n - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
 & \frac{1}{(n + j_{sa}^{sa} - n - s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^{sa} - l_s - 1)! \cdot (n - j_{sa}^{ik} - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D - n_{sa} + s - n - l_i - j_{sa}^{sa} - s - j_{sa}^{ik} - 1)! \cdot (n + j_{sa}^{sa} - j_{sa}^{ik} - s)!}
 \end{aligned}$$

$$\begin{aligned}
 & ((D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa}^{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \vee \\
 & (D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa}^{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} - 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \wedge \\
 & (D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & j_{sa} \leq j_{sa}^{i-1} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\
 & s \in \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge \\
 & s \geq 4 \wedge s = s + \mathbb{k} \wedge \\
 & \mathbb{k}_z : z = 1) \Rightarrow
 \end{aligned}$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = & \left(\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}) \\ (j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{\mathbf{(n+j_{sa}^{ik}-s)}} \right. \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_{ik}=n+\mathbb{k}-j_{ik}+1) \\ (n_{sa}=n-j^{sa}+1)}}^{\mathbf{(n_i-j_{ik}+1)}} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ n_{sa}=n-j^{sa}}}^{\mathbf{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \\
& \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})!} \cdot \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \left. \frac{(D + j_{sa} - l_{sa} - 1)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) + \\
& \left(\sum_{k=1}^{\infty} \sum_{\substack{(l_{sa}+n+\mathbf{l}_{sa}-D-j_{sa}-1) \\ (j_{ik}=l_{ik}+n-D)}}^{\mathbf{(l_{sa}+n+\mathbf{l}_{sa}-D-j_{sa}-1)}} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{\mathbf{n+j_{sa}-s}} \right. \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_{ik}=n+\mathbb{k}-j_{ik}+1) \\ (n_{sa}=n-j^{sa}+1)}}^{\mathbf{(n_i-j_{ik}+1)}} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ n_{sa}=n-j^{sa}+1}}^{\mathbf{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \\
& \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})!} \cdot \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \left. \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \right).
\end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{\infty} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{\infty}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} + 1)! \cdot (n_{ik} + j_{ik} - j^{sa} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)}^{\infty} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{\left(\right.} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left.\right)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} \sum_{\substack{1 \\ (j_{ik} = l_s + \mathbf{n} + j_{sa}^{ik} - D - 1)}}^{\sum_{(j^{sa} + j_{sa}^{ik} - 1)}} \sum_{\substack{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s \\ n+ j_{sa} - s}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\binom{n}{2}} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{(n_{sa}=n_{ik}+j_{sa}^{is}-j^{sa}-\mathbb{k})} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j^{sa}-\mathbb{k})}^{(\binom{n}{2})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^{ik} - \mathbb{k})!}.$$

$$\frac{1}{(l_s + j_{sa}^{is} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(l_s + j_{sa}^{is} - j_{ik} - s - 1)!}{(l_s + j_{sa}^{is} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i)!}{(l_s + j_{sa}^{is} + s - n - l_i - j_{sa}^{is} - 1)! \cdot (n + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - n - 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s,$$

$$l_{sa} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D - n < n \wedge I = -1 \geq 0 \wedge$$

$$j_{sa}^{is} \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{is}\} \setminus \{j_{sa}^{ik}, j_{sa}^{is}\} \wedge$$

$$s \leq 4 \wedge s \leq s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - \mathbf{l}_{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{ik} - \mathbf{l}_{sa} - j_{sa})!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - \mathbf{l}_{ik} - s)!}{(\mathbf{l}_{sa} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\Delta} \sum_{(j_{ik} + j_{sa} - \mathbf{l}_{ik} - \mathbf{l}_{sa} - D - s)}^{(\mathbf{n} + j_{sa} - s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} \Delta_{n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(-2)!}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - s)! \over$$

$$\frac{(j_{sa}^s + s - \mathbf{n} - l_i - j_{sa} - 1)! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{sa} - s)!}{(j_{sa}^s + s - \mathbf{n} - l_i - j_{sa} - 1)! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} - 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 > 1 \wedge l_{sa} - j_{sa}^{ik} - l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D - s) \geq \mathbf{n} < n \wedge I = 1 > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} = j_{sa}^s - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^{sa}\} \wedge$$

$$s \leq 4 \wedge s > s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \wedge$$

$$f_z S_{j_{ik}, j_{sa}}^{iso} = \sum_{k=1}^{(\)} \sum_{(j_{ik}=j_{sa}^s+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_s+\mathbf{n}+j_{sa}-D-1}^{(\mathbf{n}+j_{sa}-s)}$$

guidu

$$\begin{aligned}
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \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} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} - l_{sa} - s)!}{(l_{sa} - j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} - j^{sa} - s)!} - \\
& \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+\mathbb{k}-j_{sa})}^{(\)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-1)}^{(n+j_{sa}^{ik}-s)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n+j_{sa}^{ik}-s)} \frac{(n_i-j_{ik}+1)!}{(n_i-n_{ik}+1)!} \cdot \frac{(n_{ik}-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}^{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j_{sa}-n-1)! \cdot (n-j_{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik}-s)} \sum_{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{sa} - j_{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_s \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{i_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{} \sum_{n_i = \mathbf{n} + \mathbb{k}}^{} \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{() \\ (n_{is}=n+j_{sa}^{ik}-j_{ik})}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{ik}}^{\infty} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{is} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{sa}^s + j_{sa}^s - n_{sa})! \cdot (j_{sa}^s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^s - j_{sa}^{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_i - 2)!}{(D + j^{sa} + j_{sa}^{ik} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik}$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 1 \wedge$$

$$j_{sa}^{ik} - j_{sa}^s - 1 \wedge j_{sa}^s - j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i\} \subseteq \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s = j_{sa}^i \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(\mathbf{n}+j_{sa}^{ik}-s)}$$

guidus

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathfrak{l}_{ik} - j_{sa})!}{(\mathfrak{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathfrak{l}_{sa} - j_{sa} - s)!}{(\mathfrak{l}_{sa} - j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{n_{is}} \sum_{(j_{ik}=l_i+n_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathfrak{l}_s - 2)!}{(\mathfrak{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathfrak{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathfrak{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$((D \geq \mathbf{n} < n \wedge \mathfrak{l}_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\ l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge \\ l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$J_{ik,j^{sa}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{() \\ (n_{is} = \mathbf{n} + j_{sa}^{is} - \mathbb{k})}} \sum_{\substack{() \\ (n_{sa} = n_{ik} + j_{ik}^{sa} - \mathbb{k})}}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is}}^{\infty} \sum_{\substack{() \\ (n_{sa} = n_{ik} + j_{ik}^{sa} - \mathbb{k})}}^{(n_i - j_s + 1)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{is} - j^{sa} - s - j_{sa}^{is} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{sa}^s + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{is} - 2 \cdot \mathbb{k} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{is} + j_{sa}^{ik} - j_{sa} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{is} + j_{sa}^{ik} - j_{sa} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_i - 2)!}{(D + j^{sa} + \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik}-s)} j_{sa}^{ik} = j_{ik} + j_{sa} - s$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - j_{sa} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{sa}^{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j_{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa}^{ik} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik}-s)} j_{sa}^{ik} = j_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{()} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{ik}-\mathbb{k})}^{()}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - s)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > 0 \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I < \mathbb{k} \geq 0 \wedge$$

$$j_{sa}^s \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{ik}, \dots, j_{sa}^i\}$$

$$s \geq 4, \mathbb{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{ik}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{} \sum_{n+j_{sa}-s}^{()}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}, \\ n_{sa}=l_i+n+j_{sa}-D}} \sum_{\substack{() \\ n_{is}=n+k+j_{sa}^{ik}-j_{ik}}} \sum_{\substack{() \\ n_{ik}=n_{is}+j_{is}^{ik}-j_{sa}^{ik}, \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-k}}$$

$$\sum_{\substack{() \\ n_{is}=n+k+j_{sa}^{ik}-j_{ik}}} \sum_{\substack{() \\ n_{ik}=n_{is}+j_{is}^{ik}-j_{sa}^{ik}, \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-k}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^{is} - s - j^{sa} - j_{sa}^{ik} - 2 \cdot k)!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{is} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot k)!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$(D \leq n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - 1 \leq j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(n+j_{sa}-s)} \sum_{(l_i+n-D)_j}^{(n+j_{sa}-s)} \sum_{i_{ik}+j_{sa}-j_{sa}^{ik}}^{j_{sa}-\mathbb{k}}$$

$$\begin{aligned} & n \\ & n_i = n + \mathbb{k} - j_{ik} + 1, \quad n_{sa} = n - j^{sa} + 1 \\ & (n_i - n_{ik} - 1)! \\ & (j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)! \end{aligned}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - n_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(n+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(n+j_{sa}^{ik}-s)} \sum_{j^{sa}=i_{ik}+j_{sa}-j_{sa}^{ik}}^{j_{sa}-\mathbb{k}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - s)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{sa} - j_{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I < \mathbb{k} \geq 0 \wedge$$

$$j_{sa}^s \leq j_{sa} - \mathbb{k} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{ik}, \dots, j_{sa}^i\}$$

$$s \geq 4, \mathbb{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (l_{sa} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j^{sa}-l_{ik}-j_{sa}) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{\substack{(\) \\ (n_i-j_s+1)}} \sum_{\substack{() \\ (n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa})}} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} \sum_{\substack{() \\ (n+j_{sa}-l_{sa}-s-D-s)}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{sa} - j_{sa}^{ik} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$(D > \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$

$$(D \geq n \wedge l_s > D - n + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{sa}} = \sum_{k=1}^{(l_i+n+j_{sa}-D-s)} \sum_{0 \leq l_{ik}+n-D < j_{sa}=l_i+n+j_{sa}-D-s} \sum_{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{(l_i+n+j_{sa}-D-s)-j_{ik}+1} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(n+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{n+j_{sa}-s} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + n_{sa} - \mathbf{l}_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - \mathbf{l}_{sa} - j_{sa})!}.$$

$$\frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(n+j_{sa}-s)} \sum_{\substack{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik}) \\ (n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik})}}^{(\mathbf{n}+j_{sa}-s)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + n - D)} \sum_{j^{sa} = l_{sa} + n - D}^{n + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}, \\ j^{sa} = l_i + n + j_{sa} - D - s}}^{n_{ik} - s}$$

$$\sum_{n_i = n + \mathbb{k}}^{\infty} \sum_{\substack{() \\ (n_i - j_{sa}) \\ (n_i - j_{sa}) + \mathbb{k} + j_{sa}^{ik} - j_{ik})}}$$

$$\sum_{n_{ik} = n + j_{sa}^{ik} - j_{sa}, \\ j_{sa}^{ik} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{is} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^{is} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} - j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$(\mathbf{l}_s - j_{sa}^{ik} - 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{(j_{ik}=l_s+n+j_{sa}-D-1) \\ (j_{sa}=l_{sa}+n-j_{ik})}} \frac{\binom{j_{sa}+j_{sa}^{ik}-i}{n+j_{sa}-s}}{\binom{n-i-j_{ik}+1}{n_i-j_{ik}}} \cdot \frac{\binom{n_i-n_{ik}-1}{n_{ik}-n_{ik}-j_{ik}+1}}{\binom{n_i-j_{ik}}{(n_i-j_{ik})! \cdot (n_i-n_{ik}-j_{ik}+1)!}} \cdot$$

$$\frac{\binom{n_{ik}-n_{sa}-1}{n_{ik}+j_{ik}-n_{sa}-j_{sa}}}{\binom{n_{ik}-n_{sa}-1}{(n_{ik}+j_{ik}-n_{sa}-j_{sa})!}} \cdot \frac{\binom{n_{sa}-1}{n_{sa}+j_{sa}-n-1}}{\binom{n_{sa}-1}{(n_{sa}+j_{sa}-n-1)! \cdot (n-j_{sa})!}} \cdot$$

$$\frac{\binom{l_{ik}-j_{sa}^{ik}-1}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!}}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{\binom{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}^{ik}-j_{ik}-j_{sa})!}}{(D+j_{sa}-l_{sa}-s)!} -$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-n-l_{sa})! \cdot (n+j_{sa}-j_{sa}-s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa}) \\ (j_{sa}=l_i+n+j_{sa}-D-s)}} \sum_{\substack{(n_i=n+\mathbb{k}) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{\substack{(n_i-j_{s+1}) \\ (n_i-j_{s+1})}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbf{n})!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge (l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_s - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge (l_i + j_{sa} - s > l_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbf{n} - s \geq 0 \wedge$$

$$j_{sa} \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}\} \wedge$$

$$s \in \mathbb{F} \wedge s \in S + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1)} \sum_{(j_{ik} = l_s + \mathbf{n} + j_{sa}^{ik} - D - 1)}^{n + j_{sa} - s} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{l_{sa} + \mathbf{n} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

~~$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$~~

~~$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j_{sa} + j_{ik} - l_{sa} - j_{sa})!}.$$~~

~~$$\frac{(s + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$~~

~~$$\sum_{i=1}^{n+j_{sa}^{ik}} \sum_{(j_{ik}=l_{sa}+j_{sa}^{ik}-D-j_{sa})}^{(n+j_{sa}^{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s}$$~~

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(\mathbf{D} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} \Delta_{n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - \mathbf{n})!}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}+j_{sa}}^{iso} = \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}-n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}-1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i-n_{ik}-1)!}{(n_i-\mathbb{k})! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa}+j_{sa}^{ik}-\mathbf{l}_{ik}-j_{sa})!}{(j_{ik}+\mathbf{l}_{sa}-j^{sa}-\mathbf{l}_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot$$

$$\frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=1}^{(n+j_{sa}^{ik}-s)} \sum_{(j_{ik}=\mathbf{l}_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(n_{ik}-n+\mathbb{k}-j_{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - \mathbf{l}_{sa} - \mathbf{l}_{ik} - (j^{sa} + j_{sa} - \mathbf{l}_{ik} - j_{sa}) - s)!}.$$

$$\frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\Delta} \sum_{(j_{ik} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{sa})}^{(\)} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{SO} = \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{+j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n+\mathbb{k}}^n \sum_{(n_{ik} = n+\mathbb{k} - j_{ik} + 1)}^{n-j_{ik} + 1} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{n}} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{(\)} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_s)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbb{k})!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} - j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa} < j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + 1 \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D \\ j_{sa}=l_{sa}+n-j_{sa}^{ik}}} \sum_{\substack{n_{is}=n+k \\ n_{is}=n+k+j_{sa}^{ik}-j_{ik}}} \sum_{\substack{n_{ik}=n+k+j_{sa}^{ik}-j_{sa} \\ n_{ik}=n+k+j_{ik}-j^{sa}-k}}$$

$$\sum_{n_i=n+k}^{\mathbf{n}+j_{sa}^{ik}} \sum_{\substack{n_{is}=n+k+j_{sa}^{ik}-j_{ik} \\ n_{is}=n+k+j_{ik}-j^{sa}-k}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot k)!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot k)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} - s \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s + j_{sa} - \mathbf{n} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s \wedge j_{sa}^{ik} \leq j_{sa} \wedge$$

$$j_{ik} + j_{sa}^s - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$j_{ik} - j_{sa}^{ik} + j_{sa}^s > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} - s \wedge I = k \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + k \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = & \left(\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(n_{ik} - j_{sa} - 1)!}{(j_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) + \\
& \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j^{sa}=j_{sa}+2}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.
\end{aligned}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!} \cdot$$

$$\frac{(n_{sa} - n_{ik} - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n_{ik} - j_{ik} - 1)!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - 1)! \cdots (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\infty} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{is}+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{\substack{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{(n_i-j_{ik}+1)} \sum_{\substack{n_{sa}=n-j^{sa}+1}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Biggr) +$$

$$\begin{aligned}
& \left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}} \right. \\
& \quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \quad \frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} + 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \quad \frac{(l_{ik} - j_{ik})!}{(l_{ik} + j_{sa}^{ik} - l_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - 1)!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \quad \left. \frac{(D + j_{sa} - \mathbf{n} - s)!}{(D + j_{sa} - \mathbf{n} - s) \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) - \\
& \quad \sum_{k=1}^{l_s + j_{sa}^{ik} - k} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s + j_{sa}^{ik} - k)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i - j_s + 1)} \\
& \quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i - j_s + 1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{(\mathbf{n})} \\
& \quad \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \quad \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \quad \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

gündemi

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} j_{ik, j^{sa}}^{\text{ISO}} &= \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^n \sum_{j^{sa} = j_{sa} + 1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{l_s + j_{sa} - 1}^{l_s + j_{sa} - 1} \\ &\quad \sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \end{aligned}$$

$$\begin{aligned}
& \sum_{k=1}^{(l_s+j_{sa}^{ik}-1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=l_s+j_{sa}}^{l_{sa}} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} + \mathbb{k} - l_{ik} - s)!}{(j_{ik} + \mathbb{k} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \sum_{k=1}^{\left(\right)} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{l_s+j_{sa}-1} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{s}+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}}^{\left(\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot
\end{aligned}$$

$$300$$

$$D>\pmb{n} < n$$

$$\frac{(D-\pmb{l}_i)!}{(D+j^{sa}+s-\pmb{n}-\pmb{l}_i-j_{sa})!\cdot(\pmb{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > 1 \wedge \pmb{l}_{sa} \leq D + j_{sa} - \pmb{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \pmb{n} + j_{sa} - s \wedge$$

$$\pmb{l}_{ik} - j_{sa}^{ik} + 1 = \pmb{l}_s \wedge \pmb{l}_{sa} + j_{sa}^{ik} - j_{sa} > \pmb{l}_{ik} \wedge$$

$$(D \geq \pmb{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\pmb{s} : \{j_{sa}^s, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \pmb{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z=1) \Rightarrow$$

$$j_{ik} \overset{\text{ISO}}{\sim} j^{sa} = \left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right. \\ \left. \sum_{n_i=\mathbb{n}+\mathbb{k}}^{\infty} \sum_{(n_{ik}=\mathbb{n}+\mathbb{k}-j_{ik}+1)}^{j_{ik}+1} \sum_{n_{sa}=\mathbb{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right)$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \pmb{n} - 1)! \cdot (\pmb{n} - j^{sa})!}.$$

$$\frac{(\pmb{l}_{ik} - j_{sa}^{ik} - 1)!}{(\pmb{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \pmb{l}_{sa} - s)!}{(D + j^{sa} - \pmb{n} - \pmb{l}_{sa})! \cdot (\pmb{n} + j_{sa} - j^{sa} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j^{sa}=j_{sa}+2}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(l_{sa} + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{sa}} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})}^{l_{ik}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - s - 2) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - \mathbb{k})!$$

$$\frac{1}{(j_{sa}^{sa} + s - n - l_i - j_{sa} - 1)! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s < D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + l_{sa} - j_{sa}^{ik} \leq j_{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} < D + j_{sa} - \mathbf{n} \wedge$$

$$D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 1 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1} \right)$$

gündemi

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
 \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
 \left(\sum_{k=1}^{(j^{sa} - j_{ik} - j_{sa} - 1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{l_s + j_{sa} - 1} \sum_{j^{sa}=j_{sa}+2}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right. \\
 \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
 \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = l_s + j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} + j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(l_{sa} + \mathbb{k} - l_{ik} - s)!}{(j_{ik} + \mathbb{k} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{n} - s)!}{(D + j_{sa} - \mathbf{n} - s - sa)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\left(\right)} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = j_{sa} + 1}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{l_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{l_{ik}} \sum_{\substack{j^{sa} = j_{sa}^{ik} + 1 \\ n_i = \mathbf{n} + \mathbb{k}}}^{l_{ik}} \sum_{\substack{j_{ik}+1 \\ n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1}}^{n_{ik}} \sum_{\substack{n_{sa} = \mathbf{n} - j^{sa} + 1 \\ n_{sa} = \mathbf{n} - j^{sa} + 1}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \right) \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^{l_{ik}} \sum_{\substack{j^{sa} = j_{sa}^{ik} + 1 \\ n_i = \mathbf{n} + \mathbb{k}}}^{l_{ik}} \sum_{\substack{n_{sa} = \mathbf{n} - j^{sa} + 1 \\ n_{sa} = \mathbf{n} - j^{sa} + 1}}^{l_{sa}} \right)$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j_{sa} + l_{ik} - j_{ik} - j_{sa})!} \\
& \left. \frac{(D - l_{sa} - l_{ik} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) - \\
& \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\mathbf{n}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i-k+1)} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\mathbf{n}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\begin{array}{c} \\ \end{array}\right)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{iso} = \sum_{k=1}^{(l_s - 1)} \sum_{(j_{ik} = j_{sa} + 1)}^{(l_s - 1)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\sum_{n+\mathbb{k}}^n \sum_{(n_{ik} = n+\mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} n_{sa} = n - j^{sa} + 1$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) +$$

$$\left(\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_s + j_{sa}^{ik} - 1)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \right)$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} n_{sa} = n - j^{sa} + 1$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - s)!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + i_s - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa}^{ik} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{n_i} \sum_{i_k=j_{sa}^{ik}+1}^{(n_i-j_{sa}^{ik}-k)} \sum_{s_a=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_i} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\mathbf{l}_s-2)!}$$

$$\frac{(2 \cdot n_i + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_i + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + s - n \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_{sa} - j_{sa}^{ik} - 1)} \sum_{j_{ik} = j_{sa}^{ik} + 1, j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(l_{sa} - j_{sa}^{ik} - 1)} \\ \sum_{n_i = n + \mathbb{k} + 1, n_{ik} = n + \mathbb{k} + 1, n_{sa} = n - j_{sa} + 1}^{n} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ \frac{(n_i - n_{sa} - 1)!}{(j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa})!} \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j_{sa})!} \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{j_{ik} = j_{sa}^{ik} + 1, j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(l_s + j_{sa}^{ik} - k)}$$

$$\sum_{n_i = n + \mathbb{k}, (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^n \sum_{(n_i - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{()}^{()} (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_s)!}{(D + j^{sa} + s - \mathbf{n} - l_s - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbb{k})!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{sa} - j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \dots \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1} \right)$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\left(\sum_{k=1}^n \sum_{\substack{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1) \\ (j_{ik} = j_{sa}^{ik} + 1)}}^{\substack{(j^{sa} + j_{sa} - 1) \\ (j_{sa} = l_s + j_{sa} - n - D)}} \sum_{\substack{(n_i - n_{ik} - 1) \\ (n_{ik} + j_{ik} - n - k)}}^{\substack{(n_i - n_{ik}) \\ (n_{ik} - j_{ik} + 1)}} \sum_{\substack{(n_i - n_{sa} - 1) \\ (n_{sa} + j_{sa} - n - s)}}^{\substack{(n_i - n_{sa}) \\ (n_{sa} - j_{sa} + 1)}} \right) \cdot \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^n \sum_{\substack{(l_s + j_{sa}^{ik} - 1) \\ (j_{ik} = j_{sa}^{ik} + 1)}}^{\substack{(l_s + j_{sa} - 1) \\ (j_{sa} = l_s + j_{sa} - n + s)}} \sum_{\substack{(n_i - n_{ik} + 1) \\ (n_{ik} + j_{ik} - j^{sa} - k)}}^{\substack{(n_i - n_{ik}) \\ (n_{ik} - j_{ik} + 1)}} \sum_{\substack{(n_i - n_{sa} - 1) \\ (n_{sa} = n - j^{sa} + 1)}}^{\substack{(n_i - n_{sa}) \\ (n_{sa} - j_{sa} + 1)}}$$

$$\sum_{n_i=n+k}^n \sum_{\substack{(n_i - n_{ik} + 1) \\ (n_{ik} = n + k - j_{ik} + 1)}}^{\substack{(n_i - n_{ik}) \\ (n_{ik} - j_{ik} + 1)}} \sum_{\substack{(n_i - n_{sa} - 1) \\ (n_{sa} = n - j^{sa} + 1)}}^{\substack{(n_i - n_{sa}) \\ (n_{sa} - j_{sa} + 1)}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (j^{sa} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(i) \\ (j_{ik} = j_{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{(s) \\ (j^{sa} = j_{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{(n) \\ (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \sum_{\substack{(n-i-s+1) \\ (n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik})}} \sum_{\substack{(n-s) \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot \mathbb{k} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{l_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{\substack{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-1) \\ (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{(l_{sa}+j_{sa}^{ik}-1)} \frac{\sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{n_i} \sum_{\substack{(n_{ik}+j_{ik}-j_{sa}-\mathbb{k}) \\ (n_{sa}=n-j_{sa}+1)}}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}}^{(n_i-n_{ik}-1)!} \right. \cdot \frac{(n_{ik}-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j_{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j_{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\left. \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j_{sa}-s)!} \right) +$$

$$\left(\sum_{k=1}^n \sum_{\substack{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1) \\ (j_{ik}=j_{sa}^{ik}+1)}}^{(l_{sa}+n+j_{sa}^{ik}-1)} \sum_{\substack{n+j_{sa}-s \\ j_{sa}=l_{sa}+n-D}}^{n+j_{sa}-s} \right.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{(n_i-j_{ik}+1)} \sum_{\substack{n_{ik}+j_{ik}-j_{sa}-\mathbb{k} \\ n_{sa}=\mathbf{n}-j_{sa}+1}}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_{sa} + n + j_{sa}^{ik} - D - j_{sa})}^{(l_s + j_{sa}^{ik} - 1)} \sum_{j_{sa} = j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} + 1}^{j_{ik} + j_{sa} - j_{sa}^{ik} + 1}$$

$$\sum_{n_i=1}^n \sum_{(n_{ik} = n + j_{ik} + 1)}^{(n_i - 1)} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} - j^{sa} - \mathbf{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - j_{sa}^{ik})! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - j_{ik} - j_{sa})! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_i + n + j_{sa}^{ik} - D - s)}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})} \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_s)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j_{sa}^{sa} - \mathbb{k})!}$$

$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1) \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$
 $D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_i + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$
 $((D \geq \mathbf{n} < n \wedge l_s \geq 1 \wedge l_s \leq D - \mathbf{n} + 1) \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$
 $D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_i + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \wedge$
 $((D \geq \mathbf{n} < n \wedge s = \mathbb{k} > \mathbb{k}) \wedge$
 $j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$
 $s: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$
 $s \geq \mathbb{k} \wedge s = s + \mathbb{k} \wedge$
 $\mathbb{k}_z: z = 1) \Rightarrow$

$$f_z S_{j_{ik}, j_{sa}}^{iso} = \left(\sum_{k=1} \sum_{(j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j_{sa}=l_{sa}+n-D}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - \mathbf{l}_{sa} - s)!} +$$

$$\left(\sum_{k=1}^{(j^{sa}+j_{sa}-l_{sa}-1)} \sum_{=j_{sa}^{ik}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

gündemi

$$\begin{aligned}
 & \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s} \\
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{sa} - n_{sa} - j^{sa})!} \cdot \\
 & \frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 & \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 & \left. \frac{(D + j_{sa} - \mathbf{n} - s)!}{(D + j_{sa} - \mathbf{n} - s) \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) - \\
 & \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{l_s+j_{sa}-1} \\
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}}^{\left(\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{l_s+j_{sa}-1} \\
 & \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
 & \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
 & \frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot
 \end{aligned}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \geq 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - i \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$

$s \geq 4 \wedge s = s +$

$\mathbb{k}: z = 1)$

$$f_{2, j_{ik}, j^{sa}} = \left(\sum_{k=1}^n \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{(l_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(l_{ik})} \right.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{(l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{n+j_{sa}-s} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+\mathbb{k}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (j^{sa} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$+ \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j^{sa} - j_{ik} - 1)! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{ik})} \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{n+j_{sa}-s} j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - 1} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D - s \\ j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}} \sum_{\substack{n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik} \\ n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}}$$

$$\sum_{\substack{n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik} \\ n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}} \sum_{\substack{() \\ ()}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{is} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{is} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((\mathbf{l}_s \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j_{sa}+1) \\ (j_{ik}-j_{sa})=k}} \sum_{\substack{(j^{sa}=l_i+n+j_{sa}-D-s) \\ (n_{ik}+j_{ik}-j^{sa}-\mathbb{k})=k}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(n_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j_{sa} + j_{ik} - l_{sa} - j_{ik})!} \\
& \frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \sum_{k=1}^{\Delta} \sum_{(j_{ik} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{sa})}^{(j_{sa} = l_i + \mathbf{n} + j_{sa} - D - s)} \sum_{j^{sa}=l_i+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} \sigma_{i_{ik}, j^{sa}}^{\text{ISO}} = & \sum_{i=1}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{n+j_{sa}-s} \\ & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ & \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ & \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \end{aligned}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{\mathbf{l}_{ik}} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n_i + j_{sa} - 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(n_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{\mathbf{l}_{ik}} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{j^{sa}} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{\mathbf{l}_s + j_{sa} - 1} \\ \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=j_{sa}^{ik}+1 \\ (j_{ik}-j_{sa}^{ik})}}^{\left(\mathbf{l}_s+j_{sa}^{ik}-1\right)} \sum_{i sa=l_s+j_{sa}}^{n+j_{sa}-s} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{n_{ik}-j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i-j_{ik}-1)!}{(n_i-j_{ik}-1) \cdot (n_i-j_{ik}+1)} \\ \frac{(n_{sa}-n_{sa}-1)!}{(j^{sa}-j_{sa}-1) \cdot (j_{ik}+j_{ik}-n_{sa}-j^{sa})!} \\ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1) \cdot (\mathbf{n}-j^{sa})!} \\ \frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik}) \cdot (j_{ik}-j_{sa}^{ik}-1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}}^{\left(\right)} \sum_{i sa=l_i+\mathbf{n}+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{() \\ (n_i=j_{sa}^{ik}-j_{ik})}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^{ik}}^{\left(\right)} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{k=1}^{(l_i + n + j_{sa}^{ik} - D - s - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - 1} \sum_{\substack{j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s}}^{} \sum_{\substack{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}}^{n + j_{sa} - s} \\ \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}}^{n_i - j_{ik} + 1} \sum_{\substack{(n_i - j_{sa} + 1) \\ (n_{sa} = n_i - j_{sa} + 1)}}^{n_i - j_{sa} + 1} \\ \frac{(n_i - j_{ik} - 1)!}{(n_i - j_{ik} - 1)! \cdot (n_i - j_{ik} + 1)} \\ \frac{(n_i - j_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\ \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s}}^{} \sum_{\substack{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}}^{n + j_{sa} - s} \\ \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{(n_i - j_s + 1) \\ (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}}^{n_i - j_s + 1}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik}}^{\left(\begin{array}{c} \text{ } \\ \text{ } \end{array}\right)} \sum_{\substack{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}}^{n_{sa}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{k=1}^n \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{\left(\right)} \sum_{j^{sa} = j_{sa} + 1}^{\mathbf{l}_{ik} + j_{sa} - j_{sa}^{ik}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}) \\ (j^{sa}=j_{sa}+1)}}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{l_{ik}+j_{sa}-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_{is}=n \\ (n_{sa}=n_{ik}+j_{ik}-j_{ik}-\mathbb{k}))}}^{(n_i-j_s+1)}$$

$$\sum_{\substack{(n_{ik}=n_{is}+j_{sa}^s-j_{sa}) \\ (n_{sa}=n_{ik}+j_{ik}-j_{ik}-\mathbb{k})}}^{\left(\begin{array}{c} \\ \end{array}\right)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - l_{sa} - l_{ik} - j^{sa} - 2 \cdot j_{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_i - 1)!}{(D + j^{sa} + j_{sa} - s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n - 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik} \wedge$$

$$l_{ik} - j_{sa} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} - 1 \leq D + j_{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$(D + j^{sa} - n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, \dots, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ j^{sa} = j_{sa} + 1}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = \mathbf{n} - j^{sa}}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} + j_{ik} + 1)} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} + j^{sa})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} + j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(D - l_{sa} - l_{sa} - s)!}{(D - j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{\substack{(n_i - j_s + 1) \\ (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik}}^n \sum_{\substack{() \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z \circ_{j_{sa}^{ik}-1} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{l_{ik}} \sum_{\substack{j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}}^{(l_{ik})} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{n_{ik}-j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (j_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{l_{ik}} \sum_{\substack{j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s}}^{(l_{ik})} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_s+1) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{\substack{(\) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$s_{\mathbf{l}_{ik} + \mathbf{n} - D, j^{sa}}^i = \sum_{k=1}^n \sum_{(j_{ik} = \mathbf{l}_{ik} + \mathbf{n} - D)}^{\mathbf{l}_{ik}} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{n_{ik}} \\ \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = l_{ik} + n - D)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{ik}}^{(n_{sa} = n_{ik} + j_{ik} - \mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^{ik} - n_{sa} - j^{sa} - s - j_{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{ik} - n_{sa} - l_{sa} - l_{ik} - 2 \cdot j_{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_i - l_i)!}{(D + j^{sa} + \dots - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n - 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - j_{sa}^{ik} \wedge$$

$$l_{ik} - j_{sa} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n - l_{sa} \leq D - l_s + j_{sa} - n - 1 \wedge$$

$$(D - l_s + j_{sa} - n) \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, \dots, j_{sa}^{i}, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{sa} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_{sa} - \mathbf{l}_{sa} - s)!}{(D - j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{\left(n+j_{sa}^{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\left(n+j_{ik}+1\right)} \sum_{n_i=n+\mathbb{k} \quad (n_{ik}=n+\mathbb{k}-j_{ik}+1)}^n \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\ \sum_{k=1}^{\left(l_s + j_{sa}^{ik} - 1\right)} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{\left(l_s + j_{sa}^{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n+j_{sa}^s-n-s)!} \cdot \\ \frac{(l_s-2)!}{(l_s+j_{sa}^s-j_{sa}^{sa}-1)!} \cdot \\ \frac{(D-l_i)!}{(D+j_{sa}^s+s-\mathbf{n}-l_i-j_{sa}^{sa}-1)!} \cdot \\ \frac{(n+j_{sa}^s-j_{sa}^{sa}-s)!}{(D+l_s-j_{sa}^{sa}-\mathbf{n}-l_i-j_{sa}^{sa}-1)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < l_{ik} \wedge D + l_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge l = \mathbb{k} \leq l_s) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa} \leq j_{sa} - s \wedge j_{sa}^{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = \mathbb{k} \wedge \mathbb{k} \leq l_s \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{ISO} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j_{sa}=l_{ik}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa})!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbf{l}_{sa})!} \cdot$$

$$\sum_{\substack{k=1 \\ n_{ik}=j^{sa}+j_{sa}^{ik}-l_{sa}}}^{} \sum_{\substack{() \\ (n_{is}=n+k+j_{sa}^{ik}-j_{ik})}}^{} l_{s+j_{sa}-1} \sum_{\substack{() \\ (n_i-j_s+1)}}^{} \sum_{\substack{() \\ (n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik})}}^{} (n_{sa}=n_{ik}+j_{ik}-j^{sa}-k)$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot k)!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot k)!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} \leq \mathbf{l}_s \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}j^{sa}}^{\text{ISO}} = \sum_{k=1} \sum_{\substack{(j_{ik}=l_{ik}+n-D) \\ (j_{ik}-l_{ik}+n+j_{sa}-D-s)}}^{(j^{sa}+j_{sa}^{ik}-j_{sa})} \frac{l_{ik}-j_{sa}^{ik}}{(n_i-j_{ik}+1)} \cdot$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-n_{sa}-j^{sa}+1)}}^{n_{ik}+j_{ik}-n_{sa}-\mathbb{k}} \cdot$$

$$\frac{(n_i-j_{ik}+1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(\mathbb{k}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=1} \sum_{\substack{(j_{ik}=l_{ik}+n-D) \\ (j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1)}}^{(l_{ik})} \sum_{n_{sa}=n-\mathbb{k}+1}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!}$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - n - l_{sa})!} \cdot \frac{(j^{sa} + j_{sa} - l_{sa})!}{(j^{sa})!} =$$

$$\sum_k \sum_{(j_{ik}=j^{sa}, j^{lk}-j_{sa})} l_s + j_{sa} - 1$$

$$n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik} \quad (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{K})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - n - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{lk} - 1)! \cdot (j_{lk} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$n > n_s \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - n < l_{sa} \leq D + l_s + j_{sa} - n - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{ik}+n-D)}^{\left(l_i+n+j_{sa}^{ik}-D-s-1\right)} \sum_{n_i=n+\mathbb{k}-j_{ik}+1}^n \sum_{n_{ik}+j_{ik}=n-j_{sa}+1}^{(n_i-1)+1} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\mathbf{n}-1) \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\mathbf{n}-1) \cdot (\mathbf{n}-j^{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(\mathbb{k}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{\left(l_{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbb{k}+1}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l}_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{\substack{k=1 \\ (j_{ik} = l_i + k) \\ (j_{sa}^{ik} = D - s)}}^{\min(n_i, (l_i + k) - (D - s))} \sum_{\substack{a=1 \\ (j_{sa} = l_a + a) \\ (j_{sa}^{ik} = D - s)}}^{\min(n_a, (l_a + a) - (D - s))} \cdot$$

$$\sum_{n_i=k}^{n_i+k} \sum_{n_a=a}^{n_a+a} \sum_{\substack{n_{is}=n_i+k+j_{sa}^{ik}-j_{ik} \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-k)}}^{(n_i-j_s+1)} \cdot$$

$$\sum_{\substack{n_{ik}=n_i+k+j_{sa}^{ik}-j_{sa}^{ik} \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-k)}}^{(n_i-j_s+1)} \cdot$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^{ik} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot \mathbb{k} + j_{sa}^{ik} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$j_{ik}^{iso}(\mathbf{l}_{ik}, j^{sa}) = \sum_{k=1}^{\infty} \sum_{(j_{ik}=n+\mathbb{k}, j_{ik}-j_{ik}+1)}^{} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}} \sum_{n_i=n+\mathbb{k} (n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{n_i-j_{ik}+1} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{is}+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}}^{\left(\right.} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}-1)}^{\left.\right)} \\
 & \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^s - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^s - n - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
 & \frac{1}{(n + j_{sa}^s - n - s)!} \cdot \\
 & \frac{(l_s - 2)!}{(l_s + j_{sa}^s - l_s - 1)!} \cdot \\
 & \frac{(D - l_i)!}{(D - j_{sa}^s + s - n - l_i - j_{sa}^s - 1)!} \cdot \\
 & \frac{(n + j_{sa}^s - j_{sa}^s - s)!}{(D - l_i - l_s + j_{sa}^s - s)!}
 \end{aligned}$$

$$\begin{aligned}
 & D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \\
 & j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge \\
 & j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^s \leq n + j_{sa} - s \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_{ik} + j_{sa} - s > l_{sa} \wedge
 \end{aligned}$$

$$D + s - n < l_i \leq D + l_{sa} + s - n - j_{sa} \wedge$$

$$(D \geq n < n \wedge l = \mathbb{k} \leq l) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa} \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}\} \wedge$$

$$s \geq 4 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k}, \mathbb{k} \triangleq \mathbb{k} \Rightarrow$$

$$fzS_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^s+j_{sa}^{ik}-j_{sa})}^{\left(\right.} \sum_{j_{sa}^s=j_{sa}+1}^{l_{sa}}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}
 \end{aligned}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa})!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - \mathbf{l}_{sa})!} \cdot$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j^{ik}-j_{sa}) \\ (n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{\substack{(l_{sa}) \\ (n_i-j_s+1)}} \sum_{\substack{(n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}} l_{sa}$$

$$\sum_{\substack{(n_{is}) \\ (n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{\substack{(l_{sa}) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j^{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{ik} + j^{sa} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{is} = \sum_{k=1}^{l_s} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\sum_{n=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)} n_{ik} + j_{ik} - j^{sa} - \mathbb{k}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(n_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{l_s} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})} (n_i - j_{is} + 1)$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbb{k})!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j_{sa} + j_{sa} - s > \mathbb{k} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa} < j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i\} \setminus \{\mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + 1 \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D \\ j_{sa} = j_{ik} - j_{sa}^{ik}}}^{(l_{ik})} \sum_{n_i = n + \mathbb{k} (n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i)} \sum_{n_{ik} = n_i + j_{sa}^{ik} - j_{ik}}^{(n_{ik})} \sum_{n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}^{(n_{sa})}$$

$$\sum_{n_{ik} = n_i + j_{sa}^{ik} - j_{ik}}^{(n_{ik})} \sum_{n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}^{(n_{sa})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} + j_{sa}^s \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + j_{sa}^s > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{(l_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}} \\ &\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = j_{sa} + 1}^{n_{ik} + j_{ik} - j^{sa}} \\ &\quad \frac{(n_i - j_{ik} + 1)!}{(j_{ik} - 2)! (n_i - n_{ik} - 1)!} \cdot \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik})! (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ &\quad \frac{(n_{sa} - j_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} + j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \end{aligned}$$

$$\begin{aligned} &\sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}} \\ &\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)} \end{aligned}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, \mathbf{l}_i, \mathbf{l}_s}^{n_i, n_{ik}, n_{sa}} = \sum_{k=1}^{n_i} \sum_{\substack{(l_{ik} = j_{sa}^{ik} + 1) \\ (l_{ik} = j_{sa}^{ik} + 1)}} \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}} \sum_{\substack{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}) \\ (n_{sa} = n - j^{sa} + 1)}} \sum_{\substack{(n_i - n_{ik} - 1)! \\ ((j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!)} .} \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} . \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} . \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} .$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{l_{sa} + j_{sa}^{ik} - j_{sa}} \sum_{\substack{(j_{ik} = l_i + n + j_{sa}^{ik} - D - s)}} \sum_{\substack{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa} - j_{ik} - s)!} \cdot \\ \frac{(l_s - 2)!}{(l_s + j_{sa} - l_i - 1)! \cdot (l_i - j_{sa} - 1)!} \cdot \\ \frac{(D - l_i)!}{(D - j_{sa} + s - n + l_i - j_{sa}) \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_s > D - j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
& f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
& \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
& \sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}}
\end{aligned}$$

giÜDUS

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j_{sa} + j_{ik} - l_{sa} - j_{ik})!} \\
& \frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \sum_{n_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\right)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$
 $l_i \leq D + s - n \vee$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{sa} - j_{sa} + 1 > l_s \wedge$
 $l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + s - n \vee$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$
 $l_i \leq D + s - n \vee$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$
 $l_i \leq D + s - n) \wedge$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$
 $l_i \leq D + s - n) \wedge$
 $(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$
 $s: \{j_{sa}^s, \dots, j_{sa}^i\} \subseteq \mathbb{K}, j_{sa}, \dots, j_{sa}^i \wedge$
 $j_{sa}^s = s + \mathbb{K} \wedge$
 $\mathbb{K}_z: z = 1) \Rightarrow$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - \mathbf{n} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa} - \mathbf{l}_{ik} - j_{sa})!}.$$

$$\frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{(j_{ik}=j_{sa}^{ik}+1)}^n \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(\mathbf{n} - j_{sa}^{ik} - k)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < l_{ik} \leq D + l_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j}^{is} \sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\mathbf{l}_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = \mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + j_{sa}^{is} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}}^{n} \sum_{(n_{sa} = n_{ik} + j_{ik} - j_{sa} - \mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_s - l_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{ik}^{ik} \leq j_{ik} \leq j_{sa}^{is} + j_{sa}^{ik} - n_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{is} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} - l_{ik} \leq D - l_s \wedge l_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$D + l_{sa} + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa} - j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{iso} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j_{sa}=l_{sa}+\mathbf{n}-D}^{l_{sa}+j_{sa}-s} \cdot$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-1)} \sum_{n_{ik}+j_{ik}-j_{sa}=n-j_{sa}+1}^{n_{ik}-j_{sa}} \cdot$$

$$\frac{(n_i-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{sa}-j_{ik}-1) \cdot (n_{ik}+j_{ik}-n_{sa}-j_{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(j_{sa}-\mathbf{n}-1) \cdot (\mathbf{n}-j_{sa})!} \cdot$$

$$\frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot$$

$$\frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j_{sa}-s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j_{sa}=l_{sa}+\mathbf{n}-D}^{l_{sa}+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})}^{(n_{ik}-j_{sa}^{ik}-1)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa})!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - (\mathbf{n} - 1)$$

$$(D \geq \mathbf{n} < n \wedge l = \mathbb{k} \geq 2 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k}, l = 2 \Rightarrow$$

$$fzS_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

~~$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$~~

~~$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$~~

~~$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$~~

~~$$\sum_{k=1}^n \sum_{(j_{ik}=k+1)}^{(l_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=l_s+j_{sa}}^{l_{sa}-s}$$~~

~~$$\sum_{n_i=n+1}^n \sum_{(n_{ik}=n-k+1)}^{(n-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-k}$$~~

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

~~$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$~~

~~$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$~~

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

~~$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$~~

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{sa} - \mathbf{n} - s)!}.$$

$$(l_s - 2)!$$

$$\frac{(l_s + j_{sa}^{sa} - i_s - 1)!}{(l_s + j_{sa}^{sa} - i_s - 1) \cdot (\mathbf{n} - j_{sa}^{ik} - 1)}.$$

$$(D - l_i)!$$

$$\frac{(D - l_i) \cdot (\mathbf{n} + j_{sa}^{sa} - s)!}{(D - l_i - j_{sa}^{sa}) \cdot (\mathbf{n} + j_{sa}^{sa} - j_{sa}^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} - j_{sa}^{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \wedge D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < l_{sa} \leq D + l_s + s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} - j_{sa}^{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge)$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{n+j_{sa}-s} \sum_{j^{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \\
&\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot \\
&\quad \frac{(n_{sa} - j_{sa} - 1)!}{(j_{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
&\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + n + j_{sa}^{ik} - D - j_{sa}) \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} + \\
&\quad \sum_{k=1}^{l_{sa}+n+j_{sa}^{ik}-1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{sa}+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s} \\
&\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s)}^{(\mathbf{l}_{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(\mathbf{l}_{ik})}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n (n_i - (n_i - j_{ik}))$$

$$\sum_{n_{ik} = n_i + j_{sa}^{ik} - j_{sa} - \mathbb{k}}^{(n_i - j_{ik})} (n_{ik} - n_{ik} - j_{sa} - \mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^{s} - \mathbf{l}_{sa} - j^{sa} - s - j_{sa}^{ik} - z \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{s} - n_{is} - j^{sa} - z - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - 1) \wedge$$

$$j_{sa}^{ik} \leq j_{sa} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{l}_s + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s - j_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} \leq \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(\mathbf{l}_s > \mathbf{n} \wedge \mathbf{l}_s \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - j_{sa}^{ik} = l_{sa}$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - (\mathbf{n} - 1)) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{ISO} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D - s) \leq j_{ik} + j_{sa}^{ik} \leq j_{sa} + 1}^{(l_{ik})} \Delta_{n_{ik} - j_{sa}^{ik}}$$

$$\sum_{n_i = n - \mathbf{k} - j_{ik} + 1}^n \sum_{n + \mathbf{k} - j_{ik} + 1 \leq n_{ik} + j_{ik} - \mathbf{k} \leq n - j^{sa} + 1}^{(n_i - j_{ik} + 1)} \sum_{n_{ik} + j_{ik} - \mathbf{k} \leq n - j^{sa} + 1}^{n_{ik} + j_{ik} - \mathbf{k}}$$

$$\frac{(n_i - j_{ik} + 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - j_{ik} + 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{\left(\right)} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i = \mathbf{n} + \mathbf{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbf{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{sa} + 1)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbf{k})}^{(n_{is} - j_{sa} + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}}^{\left(\right)} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbf{k})}^{(n_{is} - j_{sa} + 1)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{sa} - j_{sa} - s)!}.$$

$$((\mathbf{D} \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(\mathbf{D} \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$D + j_{sa} - s < \mathbf{l}_i \wedge (D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(\mathbf{D} \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - s < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(\mathbf{D} \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fZ}S_{j_{ik}, j^{sa}}^{\dagger SO} &= \sum_{k=1}^{\infty} \sum_{\substack{(l_{sa}+n+j_{sa}^{ik}-D-j_{sa}-1) \\ (j_{ik}=l_{ik}-D)}}^{\infty} \sum_{\substack{n+j_{sa}-s \\ j^{sa}=l_{sa}-D}}^{\infty} \\ &\quad \sum_{i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}^{\infty} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ j^{sa}+1}}^{\infty} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - n_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\ &\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\ &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\ &\quad \sum_{k=1}^{\infty} \sum_{\substack{(l_{ik}) \\ (j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}}^{\infty} \sum_{\substack{n+j_{sa}-s \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{\infty} \\ &\quad \sum_{i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}^{\infty} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ n_{sa}=\mathbf{n}-j^{sa}+1}}^{\infty} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}. \end{aligned}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (j_{sa} - j^{sa} - l_{sa} - s)!} \cdot$$

$$\sum_{\substack{k=1 \\ (j_{ik}=l_i+k) \\ n_{ik}=l_i+k+j_{sa}^{ik}-D-s}}^{\infty} \sum_{\substack{a=1 \\ (j_{sa}=l_a+a-j_{sa}) \\ n_{sa}=l_a+a-j_{sa}-s}}^{\infty} \sum_{\substack{i=1 \\ (n_i=j_{sa}+j_{sa}^{ik}-l_i) \\ n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik}}}^{\infty} \sum_{\substack{s=1 \\ (n_i-s+1) \\ n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik}}}^{\infty}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik} \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}^{\infty} \sum_{\substack{() \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot \mathbb{k} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{a=j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-1)} \sum_{n_{ik}+j_{ik}-j^{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-a-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} \Big) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{sa} + j_{sa}^{ik} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j_{sa}^{ik})}} \sum_{\substack{() \\ (j^{sa} = j_{sa})}} \sum_{\substack{() \\ (n_i = \mathbf{n} + \mathbb{k}) \\ (n_{ik} = n_i - j_{ik} + 1) \\ (n_{sa} = n - j^{sa} - s) \\ (n_{sa} = \mathbf{n} - j^{sa} - \mathbb{k})}} \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^{ik})!}{(2 \cdot n_i - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^{ik})! \cdot (\mathbf{n} - s)!} \cdot \frac{1}{(D - s - \mathbf{n} - \mathbf{l}_i) \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - s \wedge \mathbf{l}_i \leq D + s - n$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa} = j_{sa} - \mathbb{k} \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k}, \mathbb{k} = \mathbb{k} \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{() \\ (j^{sa} = j_{sa})}} \sum_{\substack{() \\ (n_i = \mathbf{n} + \mathbb{k}) \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1) \\ (n_{sa} = \mathbf{n} - j^{sa} + 1)}} \frac{l_{sa}}{l_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{n_i=n+\mathbb{k}}^{\mathbf{n}} \sum_{\substack{() \\ (n_{ik}=n_i-j_{ik}+1)}} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(l_{ik}^{ik} - j_{sa}^{ik} - n_{sa} - j_{ik} + j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_{ik} - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} - j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j^{sa} - \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_{sa}^{ik} > l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_{sa} \geq 0) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ j^{sa} = j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = n - j^{sa}}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} + j_{ik} + 1)} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} + j^{sa})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} + 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} + j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j_{sa}^{ik})}} \sum_{\substack{j^{sa} = j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{() \\ (n_{ik} = n_i - j_{ik} + 1)}} \sum_{\substack{n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}}$$

$$\frac{(n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq n^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{\text{(l}_{ik}\text{)}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_s}^{\text{(l}_{ik}\text{)}} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{\text{(n}_i-\text{j}_{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{sa}-n_{sa}+1}^{\text{n}_{ik}+\text{j}_{ik}-j^{sa}-\mathbb{k}} \\ &\quad \frac{(\mathbf{n}-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_{ik}-n_{ik}-j_{ik}+1)!} \cdot \\ &\quad \frac{(j_{sa}-n_{ik}-1)!}{(j_{sa}-j_{ik}-1) \cdot (n_{ik}+j_{ik}-j^{sa})!} \cdot \\ &\quad \frac{(\mathbf{n}-1)!}{(n_{sa}-n_{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \\ &\quad \frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ &\quad \frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdot (\mathbf{n}-s)!} - \\ &\quad \sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{\text{()}} \sum_{j^{sa}=j_{sa}}^{\text{()}} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\text{()}} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{\text{()}} \\ &\quad \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n}-s)!} \cdot \\ &\quad \frac{(D-\mathbf{l}_i)!}{(D+s-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-s)!} \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq D + s - n \vee$$

$$(D \geq n < n \wedge l_s = 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + s - n) \wedge$$

$$(D \geq n < n \wedge I = k \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}}^{\text{ISO}} = \sum_{k=1}^{n_i} \sum_{(j_{ik}=j_{sa}^{ik})}^{\binom{l_{ik}}{l_{sa}}} \sum_{j^{sa}=j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+k}^n \sum_{(n_{ik}=n+k-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-k}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j^{sa}=j_{sa}}^{l_{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}+\mathbb{k}}^{l_{sa}}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)!(n-s)!}.$$

$$\frac{(D - l_i)_!}{(D + s - l_i - 1)_! (n - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - s \wedge l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s > D + \mathbb{k} \wedge$$

$$17 = 17 \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\binom{n}{2}} \sum_{(j_{ik}=j_{sa}^{ik})} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\binom{n}{2}} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(\mathbf{n} + n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq n < n \wedge l_s < l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$+ j_{sa} \wedge j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 {}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = & \left(\sum_{k=1} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
 & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{ik} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
 & \frac{(n - 1)!}{(n_{sa} - n_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 & \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 & \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} \right) + \\
 & \left(\sum_{k=1} \sum_{(j_{ik}=j_{sa}^{ik})}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\
 & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
 & \left. \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \right).
 \end{aligned}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik}=j_{sa}^{ik}+1 \\ j_{ik}+j_{sa}^{ik}=l_{ik}+j_{sa}}}^{(l_{ik})}$$

$$\sum_{n_i=n-\mathbf{l}_{ik}-\mathbf{l}_{sa}+\mathbf{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ n_i+j_{ik}-j_{sa}=n-j^{sa}+1}}^{(n_i-n_{ik}-j_{ik}+1)} \sum_{\substack{n_{ik}+j_{ik}-j_{sa} \\ n_{ik}+j_{ik}-j_{sa}=n-j^{sa}+1}}^{(n_{ik}-j_{ik}+1)}$$

$$\frac{(n_i - n_{ik} - j_{ik} + 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - j_{ik} + 1)!}{(n_{ik} - j_{ik} + 1) \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=n+\mathbf{k}}^n \sum_{\substack{() \\ (n_{ik}=n_i-j_{ik}+1)}} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbf{k}}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbf{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbf{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\epsilon_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left[\sum_{k=1}^{l_{ik}} \sum_{\substack{j_{ik}=j_{sa}^{ik} \\ j_{ik}+1 \\ n_i=\mathbf{n}+\mathbb{k}}} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \\ n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ n_{sa}=\mathbf{n}-j^{sa}+1}} \right.$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} \Big) +$$

$$\left(\sum_{k=1}^{l_{ik}} \sum_{\substack{(j_{ik}=j_{sa}^{ik}) \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}} \sum_{l_{sa}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{ik} - 1)!}.$$

$$\frac{(D - j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j^{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa})}^{\left(\right. \left.\right)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right. \left.\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq n \wedge l_s \leq l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$+ j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j_{sa}=j_{sa}}^{\left(\right)} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}^{(n_{ik}+j_{ik}-j_{sa}-\mathbb{k})} \\ &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ &\quad \frac{(n_{ik} - j_{ik} - 1)!}{(j_{sa} - j_{ik} - 1) \cdot (n_{ik} + j_{ik} - j_{sa} - \mathbb{k})!} \cdot \\ &\quad \frac{(n - 1)!}{(n_{sa} - n_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \cdot \\ &\quad \frac{(D - j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} - \\ &\quad \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j_{sa}=j_{sa}}^{\left(\right)} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}^{(n_{ik}+j_{ik}-j_{sa}-\mathbb{k})} \\ &\quad \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j_{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j_{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!} \cdot \\ &\quad \frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!} \end{aligned}$$

$$(D \geq \mathbf{n} - \mathbf{l} \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \vee$$

$$(D \geq n < n \wedge l_s = 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s = 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 4 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_i-j_{ik}-j^{sa}-\mathbb{k}}^{\left(\right)}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0)$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \in \{5\} \wedge s = 5 \wedge \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right. \\ \left. \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right. \\ \left. \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \right. \\ \left. \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \right)$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\left(\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik} = l_s + \mathbf{n} + j_{sa}^{ik} - 1) \\ (j_{sa} = l_i + \mathbf{n} - D)}}^{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1)} \right)$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} - 1) \\ (n_{ik} = n_i - j_{ik} + 1)}}^{(n_i - j_{ik} - 1)} \sum_{\substack{n_{ik} + j_{ik} > \mathbb{k} \\ (j_{sa} = n - j^{sa} + 1)}}$$

$$\frac{(n_i - n_{ik})!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} + j_{sa} - \mathbb{k} - 1)!}{(j^{sa} + j_{sa} - \mathbf{l}_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}}^{()} \sum_{\substack{n+ j_{sa}-s \\ (j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s)}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{() \\ (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}}^{\infty} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{sa} - j_{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(\mathbf{n} + j_{sa}^{ik} - s)} \right.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{\mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1} \sum_{j_{ik} = l_s + \mathbf{n} + j_{sa}^{ik} - D - 1}^{n_i - j_{ik} + 1} \sum_{n_{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - s} \right.$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1}^{n_i - j_{ik} + 1} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{n + j_{sa}^{ik} - s} \sum_{(j_{ik} = l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})}^{n_i - j_{ik} + 1} \sum_{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{n_i - j_{ik} + 1} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D - s \\ j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}} \sum_{\substack{n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik} \\ n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}} ()$$

$$\sum_{\substack{n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik} \\ n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}} ()$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{is} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{is} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{j_{sa} + j_{sa}^{ik} - j_{sa} = l_{sa} + \mathbf{n} - D}^{(j_{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{n_i = n + \mathbb{k} - j_{ik} + 1}^n \sum_{n_{sa} = n - j_{sa} + 1}^{n - j_{sa} - \mathbb{k}} \right. \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ \left. \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} + j_{sa} - j_{sa} - \mathbb{k})!} \right. \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{(j_{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{j_{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - s} \right.$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j_{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\mathbf{n}_{sa} - 1)!}{(\mathbf{n}_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l}_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (j^{sa} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{\substack{K \\ (j_{ik} = j^{sa} + \mathbb{k} - j_{sa})}} \sum_{\substack{J \\ (j_{sa} = j_{ik} - j^{sa} - \mathbb{k})}} \sum_{\substack{I \\ (n_i = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \sum_{\substack{H \\ (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \sum_{\substack{G \\ (n_{is} = n_i + j_{sa}^s - j_{sa}^{ik})}} \sum_{\substack{F \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} \sum_{\substack{E \\ (n_{sa} = n_{is} + j_{sa}^s - j_{sa}^{ik})}} \sum_{\substack{D \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} \sum_{\substack{C \\ (n_{sa} = n_{is} + j_{sa}^s - j_{sa}^{ik})}} \sum_{\substack{B \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} \sum_{\substack{A \\ (n_{sa} = n_{is} + j_{sa}^s - j_{sa}^{ik})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot \mathbb{k} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D > \mathbf{n} \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j}^{\text{ISO}} = \left(\sum_{k=1}^{n_i} \sum_{\substack{(j_{ik}=l_{ik}+n+j_{sa}-D \\ (j_{ik}-j_{sa}+1)}}^{(n_i-n-k-s)} \sum_{\substack{(n_{ik}-j_{ik}+1) \\ (n_{ik}+j_{ik}-n_{sa}+1)}}^{(n_i-n-k-s)} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ n_{sa}=n-j^{sa}+1}}^{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \right. \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\ \left. \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) + \\ \left(\sum_{k=1}^{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{(j_{ik}=l_{ik}+n-D)}^{n+j_{sa}-s} \sum_{j^{sa}=l_{sa}+n-D}^{n+j_{sa}-s} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - l_{sa} + j_{sa} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + l_{sa} - \mathbf{l}_{ik} - j_{sa})!}.$$

$$\frac{(s + j_{sa} - \mathbf{n} - s)!}{(D + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{\substack{(n+j_{sa}^{ik}-s) \\ (j_{ik}=l_{sa} + j_{sa} - D - j_{sa})}}^n \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\)} (n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(-2)!}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - \mathbb{k})!$$

$$\frac{(j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{sa} - s)!}{(j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa} - j_{sa}^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} - 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 \leq \mathbf{l}_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D - \mathbf{n} < n \wedge I = 1) > 0 \wedge$$

$$j_{sa}^{sa} \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa}^{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \leq 5 \wedge s > s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \wedge$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(j_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j_{sa}^{ik} + j_{ik} - l_{sa} - j_{sa})!} \\
& \frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \Delta \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+j_{sa}-j_{ik})}^{()} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{()} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\min(l_i + n + j_{sa}^{ik} - D - s - 1, n + j_{sa} - s)} \sum_{\substack{i_k = l_s + n + j_{sa}^{ik} - D - 1 \\ n_i = n + \mathbb{k} (n_{ik} + \mathbb{k} - j_{ik} + 1)}}^{\max(l_i + n + j_{sa}^{ik} - D - s - 1, n + j_{sa} - s)} \sum_{\substack{(n_i - j_{ik} - 1) \\ n_{ik} + j_{ik} - n_{sa} - \mathbb{k}}}^{\min(n_i - j_{ik} - 1, n_{ik} + j_{ik} - n_{sa} - \mathbb{k})} \sum_{n_{sa} = n - j^{sa} + 1}^{\max(n_i - j_{ik} - 1, n_{ik} + j_{ik} - n_{sa} - \mathbb{k})} \frac{(n_i - n_{ik} - 1)!}{(n_i - j_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\min(n + j_{sa}^{ik} - s, n + j_{sa} - s)} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D - s \\ j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}}^{\max(n + j_{sa}^{ik} - s, n + j_{sa} - s)} \sum_{j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{\min(n + j_{sa}^{ik} - s, n + j_{sa} - s)}$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \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} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik})! \cdot (j_{sa} + j_{ik} - l_{sa} - j_{sa})!} \\
& \frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \sum_{k=1}^{\Delta} \sum_{(j_{ik} + j_{sa} + j_{sa}^{ik} - D - s)}^{(\mathbf{n} + j_{sa} - s)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \frac{\sum_{n_i=n+\mathbb{k}(n_{ik}=\mathbb{k}-j_{ik}+1)}^{} \sum_{n_{sa}=n-j^{sa}+1}^{} \sum_{(n_i-j_{ik}-1)+1}^{} \sum_{n_{ik}+j_{ik}-n_{sa}-\mathbb{k}}^{} \frac{(n_i-n_{ik}-1)!}{(n_i-n_{ik}-j_{ik}+1)!} \cdot \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-1) \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!}}{(D+j_{sa}-\mathbf{l}_{sa}-s)!} - \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=\mathbf{l}_i+n+j_{sa}-D-s}^{} \sum_{n_i=n+\mathbb{k}(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{} \sum_{(n_i-j_s+1)}^{} \frac{(n_{is}-1)!}{(n_{is}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})} \binom{\text{()}}{\text{}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_s)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbb{k})!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j_{sa} + j_{sa} - s > \mathbb{k} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(n+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_s+n+j_{sa}^{ik}-D-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_{ik}+1)} \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{n_{ik}-j_{ik}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$\begin{aligned}
& \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_i+n+j_{sa}^i-D)}^{(n+j_{sa}^i-s)} \sum_{(n_i=n+\mathbb{k})}^{(n_i+j_{sa}^i-s)} \sum_{(n_i=n+\mathbb{k}+j_{sa}^i-j_{ik})}^{(n_i+j_{sa}^i-j_{ik}-s)} \\
& n_{ik} = l_i + j_{sa}^i - j_{ik} \quad n_{sa} = n_{ik} + j_{ik} - j_{sa}^i - \mathbb{k} \\
& j_{sa}^s - n_{sa} - j_{sa}^a - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})! \\
& - n_{sa} - j_{sa}^a - n_{sa} - 2 \cdot i^{ik} - 2 \cdot \mathbb{k})!
\end{aligned}$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathfrak{l}_s - 2)!}{(\mathfrak{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$+ j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!$$

$$D \geq n - 1 \wedge l_s > D - n + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} < j_{sa}^{sa} + 1 \wedge q = j_{sq} \wedge$$

$$j_{ik} \vdash j_{sa} \quad : ik \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + \dots > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sq}^s, \dots, j_{sq}^{ik}, \dots, \mathbb{k}, j_{sq}, \dots, j_{sq}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{sa} - n_{sa} - j^{sa} - \mathbb{k})!} \\
&\quad \frac{(n_{sa} - s)!}{(n_{sa} - j^{sa} - s - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
&\quad \frac{(j_{ik} - j_{sa}^{ik} - 1)!}{(j_{ik} - j_{ik}) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
&\quad \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa}) \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
&\quad \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=\mathbf{l}_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s} \\
&\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\
&\quad \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \\
&\quad \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \\
&\quad \frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\mathbb{k}} = \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s) \\ (n_i=n+\mathbb{k})}} \sum_{\substack{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{\substack{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}) \\ (n_{sa}=n-j^{sa}+1)}} \sum_{\substack{(n_i-n_{ik}-1)! \\ ((j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!)}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}} \sum_{\substack{(n+j_{sa}^{ik}-s)}} \sum_{\substack{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}$$

$$\begin{aligned}
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{\left(\right.} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa} - j_{sa}^{sa} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D - j_{sa} + s - n - l_i - j_{sa} + j_{sa}^{sa} - s)!}
\end{aligned}$$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$
 $(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$
 $(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \wedge$
 $(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$
 $j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$
 $\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - n_{ik} - j^{sa} - \mathbb{k} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik}) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{ik} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{()}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa}^{ik} \leq j_{sa}^{ik} - 1$

$s: \{j_{sa}^s, \dots, j_{sa}^i, \dots, \mathbb{k}, j_{sa}^{ik}, \dots, j_{sa}^i\} \wedge$

$s \geq 5 \wedge s = s + 1 \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik} = \mathbf{l}_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{(\mathbf{n} + j_{sa}^{ik} - s)}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\min(n_{sa}, D)} \sum_{\substack{j_{ik} = l_i + n + j_{sa}^{ik} - D \\ j_{sa} = l_s + n + j_{sa}^{ik} - D}}^{\min(n_{sa} - s, D - k)} \sum_{\substack{n_{is} = n + k \\ n_{ik} = n + k + j_{sa}^{ik} - j_{ik}}}^{\min(n_{sa} - s, D - k)}$$

$$\sum_{n_i = n + k}^{\min(n_{sa} - s, D - k)} \sum_{\substack{n_{ik} = n + k + j_{sa}^{ik} - j_{ik} \\ n_{is} = n + k + j_{sa}^{ik} - j_{sa}}}^{\min(n_{sa} - s, D - k)}$$

$$\sum_{\substack{n_{ik} = n + k + j_{sa}^{ik} - j_{ik} \\ n_{is} = n + k + j_{sa}^{ik} - j_{sa}}}^{\min(n_{sa} - s, D - k)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{is} - n_{sa} - s - j_{sa}^{ik} - 2 \cdot k)!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^{is} - n_{sa} - j_{sa}^{ik} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot k)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq n < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$j_{ik} - j_{sa}^{ik} + \mathbf{l}_s = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq n < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j_{sa}=l_{ik}+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s} \\ &\quad \frac{(n_i-j_{ik}+1)!}{(n_{ik}-\mathbb{k}-j_{ik}+1)! \cdot (n_{ik}+j_{ik}-n_{sa}+1)!} \cdot \\ &\quad \frac{(n_{ik}-n_{ik}-1)!}{(j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \\ &\quad \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \\ &\quad \frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ &\quad \frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} - \end{aligned}$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j_{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - s)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{sa} - j_{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge l_i + j_{sa} - s > 0 \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I < \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^1\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j_{ik}=\mathbf{l}_{ik}+\mathbf{n}-D)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{\substack{j_{ik} = \mathbf{l}_i + \mathbf{n} + j_{sa}^{ik} - D \\ j^{sa} = j_{ik} + j_{sa} - j_{ik}^{ik}}} \sum_{\substack{j_{sa} = j_{ik} + j_{sa} - j_{ik}^{ik} \\ j_{sa} = j_{sa} + \mathbb{k}}}.$$

$$n_{is} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})$$

$$\sum_{\substack{n_{ik} = n_{is} + j_{is}^{ik} \\ n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}} \sum_{\substack{j_{ik} \\ ()}}.$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^{ik} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{ik} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$(D - \mathbf{l}_s \leq n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{sa}^{ik} + n - D) \leq j^{sa} \leq n + j_{sa} - D - s}^{\left(j^{sa} + j_{sa}^{ik}\right)} \sum_{n_i = n + j_{sa} - k}^{n} \sum_{n_{ik} = n + \mathbb{k} - (j_{ik} + 1)}^{n - j_{ik} + 1} \sum_{n_{sa} = n - j^{sa} + 1}^{n - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1) \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{\left(\right)} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (l_i + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_s - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbf{n} - s > 0 \wedge$$

$$j_{sa} \leq j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i, \dots, \mathbb{k}, j_{sa}^{i+1}, \dots, j_{sa}^t\} \wedge$$

$$s \in S \wedge s \in S + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\dagger SO} = \sum_{k=1}^n \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)} \sum_{j^{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D-s, \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{\left(n+j_{sa}^{ik}\right)} \sum_{\substack{n_i=n+\mathbb{k}-j_{ik}, \\ n_{ik}=n+\mathbb{k}-j_{ik}+1)}^n \sum_{\substack{(n-j_{ik}+1) \\ n_{sa}=n-j^{sa}+1}}^{\left(n-j_{ik}+1\right)} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \\ n_{sa}=n-j^{sa}+1}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{\left(n+j_{sa}^{ik}-s\right)} \sum_{\substack{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - \mathbf{n} - s)!} \cdot \\ \frac{(l_s - 2)!}{(l_s + j_{sa}^s - i_s - 1)! \cdot (l_s - j_{sa}^{ik} - 1)!} \cdot \\ \frac{(D - l_i)!}{(D - n_{sa} + s - \mathbf{n} - l_i - j_{sa}^{ik})! \cdot (n + j_{sa}^s - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa}^s - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa}^s - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa}^s - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-\mathbb{k}+1}^{n_{ik}+j_{ik}-j^{sa}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} + 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - \mathbb{k} + 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{ik} + j_{sa}^{ik} - \mathbb{k} + 1)!}{(j_{ik} + \mathbb{k} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(\mathbf{D} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{()} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{()} \sum_{j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{()}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{()} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{()}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z \bullet 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = \mathbf{l}_s + \mathbf{n} + j_{sa}^{ik} - D - 1)}^{n_i} \sum_{j^{sa} = \mathbf{l}_{sa} + \mathbf{n} - D}^{\mathbf{n} + j_{sa} - s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}, \\ j^{sa} = l_i + n + j_{sa} - D - s}}^{n_{ik} - s}$$

$$\sum_{n_i = n + k}^{\infty} \sum_{\substack{() \\ (n_i - j_{sa}) \\ (n_{ik} - j_{sa}^{ik} - j_{sa}) \\ (n_{ik} + j_{ik} - j^{sa} - k)}}$$

$$\sum_{n_{ik} = n + k + j_{sa}^{ik} - j_{sa}}^{\infty} \sum_{\substack{() \\ (n_{ik} + j_{ik} - j^{sa} - k)}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{ik} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot k)!}{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot k)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$(\mathbf{l}_s - j_{sa}^{ik} - 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{\substack{(l_{sa}+n+j_{sa}^{ik}-D-s-1) \\ (j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-1)}}^{\infty} \sum_{\substack{n+j_{sa}-s \\ j_{sa}=l_{sa}+n-j_{sa}}}^{\infty} \\ &\quad \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}}^{\infty} \sum_{\substack{n_i+k+j_{ik}-j_{sa}-\mathbb{k} \\ n_{sa}=n-j_{sa}}}^{\infty} \\ &\quad \frac{(n_i-n_{ik}-1)!}{(j_{ik}-1)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ &\quad \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j_{ik}-j_{sa}-1)! \cdot (n_{ik}-n_{sa}-j_{sa}-\mathbb{k})!} \cdot \\ &\quad \frac{(n_{sa}-1)!}{(n_{sa}+j_{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j_{sa})!} \cdot \\ &\quad \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ &\quad \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j_{sa}-l_{ik})! \cdot (j_{sa}^{ik}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\ &\quad \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j_{sa}-s)!} + \\ &\quad \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa}) \\ (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{\infty} \sum_{\substack{(n+j_{sa}^{ik}-s) \\ (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{\infty} \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^{\infty} \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}}^{\infty} \sum_{\substack{n_i+k+j_{ik}-j_{sa}-\mathbb{k} \\ n_{sa}=\mathbf{n}-j_{sa}+1}}^{\infty} \end{aligned}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - s)! \cdot (j_{sa} - l_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\sum_{n_i=n+\mathbb{k}}^n} \sum_{\substack{(n+j_{sa}-\mathbb{k}) \\ (j_{ik}=l_{ik}+j_{sa}^{ik}-D-s)}}^{\sum_{n_i=n+\mathbb{k}}^n} \sum_{\substack{(n_i-j_s+1) \\ (n_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}$$

$$\sum_{n_{ik}=n_i+j_{sa}^s-j_{sa}^{ik}}^{\left(\begin{array}{c} n \\ n_i \end{array}\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\begin{array}{c} n \\ n_i-j_s+1 \end{array}\right)}$$

$$\frac{(2 \cdot n_i + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_i + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} + 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^i \leq j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^i, \dots, j_{sa}^1\} \wedge$$

$$s = 5 \wedge s = \mathbb{k} \wedge \mathbb{k} \wedge$$

$$\mathbb{k}_z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^n \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)}^{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = l_{sa} + n + j_{sa}^{ik} - D - j_{sa} \\ j_{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}}^{\left(n + j_{sa}^{ik} - s\right)} \sum_{\substack{n_i = n + k \\ (n_i - 1) \\ (n_i - j_{ik} - j_{sa} - \mathbb{k})}}^{\left(n + j_{sa}^{ik} - s\right)}$$

$$\sum_{\substack{n_i = n + k \\ (n_i - 1) \\ (n_i - j_{ik} - j_{sa} - \mathbb{k})}}^{\left(n + j_{sa}^{ik} - s\right)} \sum_{\substack{n_{ik} = n + k - i \\ (n_{ik} + j_{ik} + 1)}}^{\left(n + j_{sa}^{ik} - s\right)} n_{sa} = n - j^{sa} + 1$$

$$\frac{(n_i - j_{ik} - 1)!}{(j_{ik} - j_{sa}^{ik})! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - j_{ik} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa} \\ j^{sa} = l_i + n + j_{sa} - D - s}}^{\left(\right)} \sum_{\substack{n+ j_{sa} - s \\ j_{sa} = l_i + n + j_{sa} - D - s}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{\substack{(n_i - j_s + 1) \\ (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{() (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_s)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbb{k})!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{sa} - j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} < j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i, \dots, \mathbb{k}, j_{sa}^{ik}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + 1 \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{() l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{n_{sa} \\ j_{sa}^{ik} = l_i + n + j_{sa} - D - s}} \Delta_{n_{sa} - s}$$

$$\sum_{n_i = n + \mathbb{k}}^{\infty} \sum_{\substack{() \\ (n_i = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} (n_i)$$

$$\sum_{\substack{n_{ik} = n + \mathbb{k} + j_{sa}^{ik} - j_{sa}}} \sum_{\substack{() \\ (n_{ik} = n + \mathbb{k} + j_{ik} - j^{sa} - \mathbb{k})}} (n_{ik})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_i \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} \leq j_{sa}^s \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + j_{sa}^s > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} &= \sum_{k=1}^n \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{\binom{l_{ik}}{(l_{ik})}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\binom{n_i-j_{ik}+1}{n_i-j_{ik}+1}} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{\binom{n_{ik}+j_{ik}-j^{sa}}{n_{sa}+j^{sa}-j^{sa}+1}} \\
&\quad \frac{(n_i-j_{ik}-1)!}{(j_{ik}-2)!(n_i-n_{ik}-1)!} \cdot \\
&\quad \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)+(j_{ik}-j_{sa}-j^{sa}-\mathbb{k})} \cdot \\
&\quad \frac{(n_{sa})}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \\
&\quad \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\
&\quad \frac{(D+j_{ik}-l_{sa}-s)!}{(D+j_{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} - \\
&\quad \sum_{k=1}^n \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)}^{\binom{n+j_{sa}^{ik}-s}{n+j_{sa}^{ik}-s}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\binom{n_i-j_s+1}{n_i-j_s+1}} \\
&\quad \sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}}^{\binom{\mathbf{n}}{n_{is}+j_{sa}^{ik}-j_{sa}}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\binom{\mathbf{n}}{n_{sa}+j_{sa}^{ik}-j_{sa}}} \\
&\quad \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
&\quad \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
&\quad \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{2, \mathbf{n}+j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = n + j_{sa} + j_{sa}^{ik} - j_{sa})}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = j_{sa} + 1}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \right. \\ \left. \sum_{n_i = n + \mathbb{k}}^{j_{ik} + 1} \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \right.$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) +$$

$$\left(\sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = j_{sa} + 2}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \right)$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(l_{sa} + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{n_i} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\begin{aligned}
& \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-s)}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} (n_{sa}=n_{ik}+j_{sa}^{ik}-j^{sa}-\mathbb{k}) \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \\
& \frac{1}{(n_{is} + j_{sa}^{is} - j_{ik} - s)!} \\
& \frac{1}{(n_{sa} - j_{sa}^{ik} - s - 1)!} \\
& \frac{(D - l_i)!}{(l_s + j_{sa}^{is} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
& \frac{(D - l_i)!}{(n_{is} + s - n - l_i - j_{sa}^{is} - 1)! \cdot (n + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$D \geq n < n \wedge l_s > 1 \wedge l_{sa} > D + j_{sa} - n$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{is} - j_{sa}^{ik} \leq j_{sa}^{is} \leq n + j_{sa} - s,$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$(D - n < n \wedge I = -1 > 0 \wedge$$

$$j_{sa}^{is} \leq j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa}^{is} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{is}, \mathbb{k}, j_{sa}^{is}, \dots, j_{sa}^i\} \wedge$$

$$s \leq S \wedge s > s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(n_i - j_{ik} + 1)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \right) \sum_{l_{sa}}^{l_{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} + j_{sa}^{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik}}^{(\Delta)} (n_{sa} = n_{ik} + j_{sa} - j_{sa}^{ik})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n_{sa} - j_{sa} - j_{ik} - s)!}.$$

$$\frac{(-2)!}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - \mathbb{k})!$$

$$\frac{(j_{sa}^{sa} + s - n - l_i - j_{sa})! \cdot (n + j_{sa} - j_{sa}^{sa} - s)!}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$D \geq n < n \wedge l_s > 1 \wedge l_s \leq n - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 \leq 1 \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + n \wedge$$

$$D \geq n - n \wedge I = \mathbb{k} > 1 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(j_{sa}^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{sa} + 1}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - l_{ik} - j^{sa} - l_{ik})! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(\mathbf{l}_s + j_{sa}^{ik} - 1)} \sum_{j^{sa}=\mathbf{l}_s + j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\begin{aligned}
 & \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1} \\
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-\mathbb{k})}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k}) \\
 & \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^s - 2 \cdot \mathbb{k})!} \\
 & \frac{1}{(n_{sa} + j_{sa} - j_{ik} - s)!} \\
 & \frac{1}{(n_{sa} + j_{sa} - j_{ik} - 2)!} \\
 & \frac{(D - l_i)!}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^s - 1)!} \\
 & \frac{(D - l_i)!}{(n_{sa} + s - n - l_i - j_{sa}^s - 1)! \cdot (n + j_{sa} - j^{sa} - s)!}
 \end{aligned}$$

$$D \geq n < n \wedge l_s > 1 \wedge l_{sa} > D + j_{sa} - n$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq n + j_{sa} - s,$$

$$(l_s - j_{sa}^{ik} + 1) \leq l_s \wedge l_{sa} > j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$(D - n < n \wedge I = 1) > 0 \wedge$$

$$j_{sa}^{i-1} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{ik}, \dots, j_{sa}^i\} \wedge$$

$$s \leq S \wedge s > s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - \mathbf{l}_{sa} - s)!} +$$

$$\left(\sum_{k=1}^{(j^{sa} - \mathbb{k} - j_{sa} - 1)} \sum_{i_{ik}=j_{sa}^{ik}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+2}^{l_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\begin{aligned}
& \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j^{sa} - \mathbb{k} - 1)!} \cdot \\
& \frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa} - 1)!} \cdot \\
& \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - \mathbf{j}_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
& \left. \frac{(D + j_{sa} - \mathbf{j}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) - \\
& \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}}^{\left(\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\mathbf{l}_s)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} .
\end{aligned}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}} = \left(\sum_{k=1}^n \sum_{\substack{() \\ j_{sa} = j^{sa} + j_{sa}^{ik} - j_{sa}}} \sum_{\substack{(\) \\ j^{sa} = j_{sa} + 1}} \sum_{\substack{l_s + j_{sa} - 1 \\ j^{sa} = j_{sa} + 1}} \right. \\ \sum_{n_i = n + \mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\ \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} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^{\infty} \sum_{\substack{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1) \\ (j_{ik} = j_{sa}^{ik} + 1)}} \sum_{\substack{l_s + j_{sa} - 1 \\ j^{sa} = j_{sa} + 2}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + l_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(l_{sa} + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{j^{sa}=l_s + j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{(n_{sa}=n_{ik}+j_{sa}^{sa}-j^{sa}-\mathbb{k})} \sum_{(n_{sa}=n_{ik}+j_{sa}^{sa}-j^{sa}-\mathbb{k})}^{\left(\begin{array}{c} \\ \end{array}\right)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa} - \mathbb{k})!}.$$

$$\frac{1}{(n_{is} + j_{sa}^{is} - j_{ik} - s)!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - l_i)!$$

$$\frac{1}{(n_{is} + s - n - l_i - j_{sa}^{is})! \cdot (n + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_{sa} < D + j_{sa} - n$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa} \leq n + j_{sa} - s,$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} < j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$(D - n < n \wedge I = -1 > 0 \wedge$$

$$j_{sa}^{i-1} \leq j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{ik}, \dots, j_{sa}^i\} \wedge$$

$$s \leq S \wedge s < s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{(l_{ik})} \sum_{(j_{ik}=j_{sa}^{ik}+1)} j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(n_i - j_{ik} + 1)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik} + 1 \right) \sum_{l_{sa}}^{l_{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(l_{ik}-k+1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{(n_{is}-j_s+1)} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n_{is} + j_{sa} - j_{ik} - s)!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - l_i)!$$

$$\frac{1}{(n_{is} + s - n - l_i - j_{sa} - 1)! \cdot (n + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s < D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s,$$

$$l_{sa} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge$$

$$l_{sa} \leq D + j_{sa} - n,$$

$$(D \geq n - s \wedge I = \mathbb{k} > 1) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik}=j_{sa}^{ik}+1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{l_s} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_s+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{l_{sa}} \right)$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} + j_{sa}^{ik} - 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{ik} - j_{sa}^{ik}}^{\left(\begin{array}{c} \\ \end{array}\right)} \Delta_{n_{sa} = n_{ik} + j_{sa} - j^{sa} - \mathbb{k}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa} - 1)!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^s - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(j_{sa}^s + s - n - l_i - j_{sa}^s - 1)! \cdot (n + j_{sa} - j^{sa} - s)!} \cdot \frac{(D - s - 2)!}{(l_s + j_{sa} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^s - 1)!} \cdot \frac{(D - s - 1)!}{(j_{sa}^s + s - n - l_i - j_{sa}^s - 1)! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{ik} - j_{sa}^{ik} \leq j_{ik} \leq n + j_{sa} - s \wedge$$

$$l_{sa}^s - j_{sa}^{ik} + 1 \leq 1 \wedge l_{sa}^s - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_{sa}^s \leq D + j_{sa} - n \wedge l_{sa}^s \leq D + j_{sa} - n \wedge$$

$$(D \geq \mathbf{n} - n \wedge I = \mathbb{k} > 1) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa}^s - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!}.$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + j_{ik} - l_{sa} - l_{ik} - 1 - j_{sa})!}.$$

$$\frac{(\mathbf{n} + j_{sa} - \mathbf{n} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} =$$

$$\sum_{(j_{ik}=j_{sa}^{ik}+1)}^n \sum_{j^{sa}=j_{ik}+j_{sa}-j_{ik}^{ik}}^{(n-j_{sa}^{ik}-k)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, j_{sa}}^{\mathbf{l}_{ik}, \mathbf{l}_{sa}} \left(\sum_{i=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(n_i-j_{ik}+1)} j^{sa} = \mathbf{l}_{sa} + \mathbf{n} - D \right)$$

$$\sum_{i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} n_{ik} + j_{ik} - j^{sa} - \mathbb{k}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(n_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa}-1)} j^{sa} = \mathbf{l}_{sa} + \mathbf{n} - D \right)$$

$$\sum_{i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} n_{ik} + j_{ik} - j^{sa} - \mathbb{k}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+k+1)} \sum_{j^{sa}=l_s+j_{sa}}^{(l_s+j_{sa}^{ik}-1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-s)}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa} - j_{ik} - s)!} \cdot \\ \frac{(l_s - 2)!}{(l_s + j_{sa} - i_s - 1)! \cdot (l_i - j_{sa}^{ik} - 1)!} \cdot \\ \frac{(D - l_i)!}{(D - j_{sa}^s + s - n - l_i - j_{sa}^{ik} - 1) \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n + 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l = \mathbb{k} > 1) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa} \leq j_{sa} - s \wedge j^{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k} \xrightarrow{\quad \Leftarrow \quad} \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^{l_s + j_{sa}^{ik} - 1} \sum_{(j_{ik}=l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa})} \sum_{j^{sa}=j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{(l_{sa} + j_{sa}^{ik} - D - j_{sa})} \sum_{j_{ik}=j_{sa}^{ik}+1}^{n+j_{sa}-s} \right) + n-D$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik})} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{sa} + j_{sa}^{ik} - 1)} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{sa}+j_{sa}^{ik}-1)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
& \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
& \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!} \\
& \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \\
& \frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot \\
& \frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l^{sa} - l_{ik} - 1) \cdot (j^{sa} + l_{ik} - l_{sa} - j_{sa})!} \\
& \left. \frac{(D - l_{sa} - l_{ik} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \right) - \\
& \sum_{k=1}^{n_i=\mathbf{n}+\mathbb{k}} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(l_i)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot \\
& \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \\
& ((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge
\end{aligned}$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \geq 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}} \sum_{\substack{l_{ik} + j_{sa} - j_{sa}^{ik} \\ j^{sa} = \mathbf{l}_{sa} + \mathbf{n} - D}} \right. \\ \left. \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \right. \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\left(\sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa} - 1)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - j^{sa} - \mathbf{k}}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j^{sa} - \mathbb{k})!}$$

$$\frac{(n_{sa} - \mathbb{k})!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{+ j_{sa}^{ik} \cdot (l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{ik})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{n + j_{sa} - s} \sum_{j^{sa} = l_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{n + j_{sa} - s}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}, \\ n_{ik} = n + \mathbf{k}}}^{\left(\right)} l_s^{n_{ik} - k - 1} \Delta_{l_i + n + \mathbf{k} + j_{sa}^{ik} - j_{ik}}^{l_{sa} + j_{sa}^{ik} - 1}$$

$$\sum_{k=n+\mathbf{k}}^{\infty} \sum_{\substack{(n_i - j_s) \\ (n_{is} + \mathbf{k} + j_{sa}^{ik} - j_{ik})}}^{(n_i - j_s)} \Delta_{n_{is} + \mathbf{k} + j_{sa}^{ik} - j_{ik}}$$

$$\sum_{n_{ik} = n + \mathbf{k}}^{\infty} \sum_{\substack{(j_{sa}^{ik} - j_{sa}) \\ (n_{ik} + j_{ik} - j^{sa} - \mathbf{k})}}^{(j_{sa}^{ik} - j_{sa})} \Delta_{n_{ik} + j_{ik} - j^{sa} - \mathbf{k}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{is} - n_{sa} - j_{sa}^{ik} - s - j_{sa}^{ik} - 2 \cdot \mathbf{k})!}{(2 \cdot n_{is} + j_{ik} - j_{sa}^{is} - n_{sa} - j_{sa}^{ik} - s - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbf{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \geq 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} \wedge j_{sa}^{ik} \leq j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$j_{sa}^{ik} - j_{sa} \leq \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \geq 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \left(\sum_{k=1} \sum_{(j_{ik}=n+1)}^{(l_{ik})} \sum_{(j_{ik}-D-j_{sa}) > j_{ik}+j_{sa}-j_{sa}^{ik}}^{(l_{ik})} \sum_{n_i=n+\mathbb{k} \atop n_{ik}=n+\mathbb{k}-j_{ik}+1}^{n} \sum_{n_{sa}=n-j_{sa}+1 \atop n_{sa}-\mathbb{k} > j_{sa}-\mathbb{k}}^{n_{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{sa} - \mathbb{k} - 1)!}{(j_{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa} - s)!} \Big) +$$

$$\left(\sum_{k=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j_{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik} + j_{ik} - j_{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - l_{sa})!} +$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=l_i+n+\\j_{sa}+n+j_{sa}-\mathbb{k}-j_{sa}}} \frac{(l_{ik})!}{j_{ik}!} \sum_{\substack{j_{sa}=n-j^{sa}+1 \\ n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \frac{n+j_{sa}-s}{j_{sa}^{ik}+1} \sum_{\substack{n_i=n+\mathbb{k} \\ (n_{ik}+j_{ik}-\mathbb{k}-j_{ik}+1)}} \sum_{\substack{(n_i-j_{ik}+1) \\ n_{sa}=n-j^{sa}+1}} \frac{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}{n_i-n_{ik}-j_{ik}+1}$$

$$\frac{(n_i - n_{ik} - 1)!}{(n_i - j_{ik} + 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - 1)} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D-s \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}} \sum_{\substack{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}} \sum_{\substack{(n_i-j_{ik}+1) \\ n_{sa}=n-j^{sa}+1}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{sa} - \mathbf{n} - s)!}.$$

$$(l_s - 2)!$$

$$\frac{(l_s + j_{sa}^{sa} - i_s - 1)!}{(l_s + j_{sa}^{sa} - i_s - 1)!} (l_s - j_{sa}^{ik} - 1)$$

$$(D - l_i)!$$

$$\frac{(D - l_i) (l_i - j_{sa}^{ik})!}{(D - l_i - j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa}^{ik})!} (n + j_{sa}^{sa} - j_{sa}^{sa} - s)!$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa}^{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_{sa} + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq (l_s + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq l_i + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa}^{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} - j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{\substack{(j_{ik} = j_{sa}^{ik} + 1) \\ j^{sa} = l_i + n + j_{sa} - D - s}}^{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \sum_{n_{sa}=n-j^{sa}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j_{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(n - 1)!}{(n + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + \mathbb{k} - l_{ik} - j_{sa})!}{(j_{ik} + \mathbb{k} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j^{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{ik})} \sum_{\substack{(j_{ik} = j_{sa}^{ik} + 1) \\ j^{sa} = l_{ik} + j_{sa} - j_{sa}^{ik} + 1}}^{n + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i - j_{ik} + 1) \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}}^{\infty} \sum_{\substack{() \\ j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}}^{\infty} \sum_{\substack{() \\ l_{ik} + j_{sa} - j_{ik} \\ n_i = n + \mathbb{k} \\ (n_i - 1) \\ (n_i - j_{ik})}}^{\infty}$$

$$\frac{(2 \cdot n_{is} - j_{ik} + j_{sa}^{s} - j_{sa} - j^{s} - s - j_{sa}^{ik} - z \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{s} - n_{sa} - j^{sa} - z - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge s > 1 \wedge \mathbf{l}_s \leq D - 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{l}_i + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} - \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$\mathbf{n} \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{ISO} = \sum_{k=1} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_i+n+j_{sa}^{ik}-D-s-1)} \sum_{j^{sa}=l_i+n+j_{sa}-s}^{n+j_{sa}-s} \frac{(n_i-j_{ik}+1)}{\sum_{n_i=\mathbb{k}} (n_{ik}=\mathbb{k}-j_{ik}+1)} \cdot \frac{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}{\sum_{n_{sa}=n-j^{sa}+1}^{(n_i-n_{ik}-1)!}} \cdot \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot \\ \frac{(n_{ik}-n_{ik}-\mathbb{k}-1)!}{(n_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!} \cdot \\ \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!} \cdot \\ \frac{(l_{sa}+j_{sa}^{ik}-l_{ik}-j_{sa})!}{(j_{ik}+l_{sa}-j^{sa}-l_{ik})! \cdot (j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!} \cdot \\ \frac{(D+j_{sa}-l_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-l_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} + \\ \sum_{k=1} \sum_{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{n+j_{sa}-s} \\ \sum_{n_i=\mathbb{k}} \sum_{(n_{ik}=\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{\substack{(j_{ik}=l_i+j_{sa}^{ik}-D-s) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{\substack{(l_{ik}) \\ (n_i-j_s+1)}} \sum_{\substack{(n_i-j_s+1) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}$$

$$\sum_{\substack{(n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}^{\substack{(\) \\ (n_{ik}-j_{sa}^{ik}-2\cdot\mathbb{k})!}} \sum_{\substack{(2\cdot n_{is}+2\cdot j_{sa}^{ik}-n_{sa}-j^{sa}-s-j_{sa}^{ik}-2\cdot\mathbb{k})! \\ (2\cdot n_{is}+2\cdot j_{sa}^{ik}-n_{sa}-j^{sa}-\mathbf{n}-2\cdot j_{sa}^{ik}-2\cdot\mathbb{k})!}}$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D > \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 {}_{fz}S_{j_{ik}, j_{sa}}^{\text{iso}} &= \sum_{k=1}^{l_s} \sum_{\substack{(j_{ik}=j_{sa}^{ik}+1) \\ (j_{ik}-j_{sa}^{ik})+s-l_i+n+j_{sa}-D-s}}^{(j_{sa}+j_{sa}^{ik}-j_{sa})} \frac{l_s!}{n_{sa}-l_i-n+j_{sa}-D-s} \\
 &\quad \sum_{n_i=n+1}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_i-j_{ik}+1)+\mathbb{k}-j_{ik}+1 \\ n_{sa}=n-j_{sa}+1}}^{n_{ik}+j_{ik}-j_{sa}} \frac{n_{ik}!}{n_{ik}-j_{ik}+1} \\
 &\quad \frac{(n_i - n_{ik})!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\
 &\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa}^{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \\
 &\quad \frac{(n_{sa} - 1)!}{(n_{sa} - j_{sa} - \mathbb{k} - 1)! \cdot (\mathbf{n} - j_{sa})!} \\
 &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\
 &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{ik} + l_{sa} - j_{sa} - l_{ik})! \cdot (j_{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \\
 &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa} - s)!} + \\
 &\quad \sum_{k=1}^{n} \sum_{\substack{(j_{ik}=j_{sa}^{ik}+1) \\ j_{sa}=l_s+j_{sa}}}^{(l_s+j_{sa}^{ik}-1)} \sum_{n_{sa}=n-j_{sa}+1}^{n+j_{sa}-s} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_{ik}+1) \\ (n_i-j_{ik}+1)+\mathbb{k}-j_{ik}+1}}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \frac{(n_i - n_{ik})!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}
 \end{aligned}$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{\substack{K \\ (j_{ik} = j^{sa} + \mathbb{k} - j_{sa})}} \sum_{\substack{J \\ (j_{sa} = j_{sa}^{ik} - j_{ik})}} \sum_{\substack{I \\ (n_i = n_{is} + j_{sa}^s - j_{sa}^{ik})}} \sum_{\substack{H \\ (n_i - j_s + 1) \\ (n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}} \sum_{\substack{G \\ (n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}) \\ (n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}} \sum_{\substack{F \\ (-D - s)}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot \mathbb{k} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$> n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{(l_i + n + j_{sa}^{ik} - D - s - 1) \\ (j_{ik} = j_{sa}^{ik} + 1)}} \frac{\sum_{\substack{n + j_{sa} - s \\ j^{sa} = l_i + n + j_{sa} - s - s}}}{\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}} \cdot$$

$$\frac{(n_i - n_{ik} - \mathbb{k} - 1)!}{(j_{ik} - 1)! \cdot (n_i - n_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(l_s + j_{sa}^{ik} - 1) \\ (j_{ik} = l_i + n + j_{sa}^{ik} - D - s)}} \sum_{\substack{n + j_{sa} - s \\ j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}} \frac{\sum_{\substack{n_i - n_{ik} + 1 \\ (n_{ik} = n + \mathbb{k} - j_{ik} + 1)}} \sum_{\substack{n_{ik} + j_{ik} - j^{sa} - \mathbb{k} \\ n_{sa} = n - j^{sa} + 1}}}{\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - l_{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{\substack{(j_{ik}=l_i+j_{sa}^{ik}-l_{ik}-D-s) \\ =n+\mathbb{k}}}^{\substack{(l_{ik})}} \sum_{\substack{(n_i-j_s+1) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}} \sum_{\substack{(n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^{ik} - j_{sa} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$s > n < D \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j_{sa}^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \cdot \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_i-j_{ik}+1)}^{(n_i-n_{ik}+1)} \sum_{n_{ik}+j_{ik}-n_{sa}=n-j_{sa}+1}^{n_{ik}-\mathbb{k}} \cdot \\ \frac{(n_i - n_{ik})!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa}^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \cdot \\ \frac{(n_{sa} - 1)!}{(j_{sa}^{sa} - n - 1)! \cdot (n - j_{sa})!} \cdot \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j_{sa}^{sa}=j_{sa}+1}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{sa}+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{()}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - n - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = j_{sa} + 1}^{(\)} \sum_{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\begin{aligned}
& \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
& \sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}}^{\infty} \sum_{\substack{() \\ (j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s)}}^{\infty} l_{ik} + j_{sa} - j_{sa}^{ik} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{() \\ (n_{is}=n_{sa}+j_{sa}^{ik}-j_{ik})}}^{\infty} (n_i - j_s + 1) \\
& \sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}}^{\infty} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-\mathbb{k})}}^{\infty} (n_{ik} - j_{sa}^{ik} - j_{ik} - 2 \cdot \mathbb{k})! \\
& \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} + j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} + j^{sa} - 1 - j_{sa}^{ik} - 2 \cdot \mathbb{k} - 2 \cdot \mathbb{k})!} \cdot \\
& \frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
& \frac{(l_i - l_t)!}{(D + j^{sa} + j_{sa}^{ik} - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}
\end{aligned}$$

$$\begin{aligned} & ((D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - s + 1 \wedge \\ & j^{ik} \leq J_{ik} \leq j^{il} + j_{sa}^{ik} - s) \wedge \\ & J_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{il} \leq n + j_{sa} - s) \wedge \\ & l_{ik} - j_{sa} + 1 = l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge \end{aligned}$$

$$D + s - n \leq D + (s - n - 1) \vee$$

$$(D - n + l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} - j_{sa} - j_{sa}^k \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1)) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} &= \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\left(l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{n}+j_{sa}-s} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-1)+1}^{\left(n_i-j_{ik}+1\right)} \sum_{n_{sa}=\mathbf{n}-j}^{\left(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}\right)} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_{ik} - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
&\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
&\quad \sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa})}^{\left(l_{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\mathbf{n}+j_{sa}-s} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{\left(n_i-j_{ik}+1\right)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{\left(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}\right)} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
\end{aligned}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - \mathbf{l}_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D \\ n_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}^{(l_{ik})} \sum_{\substack{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \\ n_{sa}=n+l_k+j_{ik}-j^{sa}-k}}$$

$$n_{is} = n + k + j_{sa}^{ik} - j_{ik}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^{ik} \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-k}} \sum_{\substack{j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik} \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-k)}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{ik} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot k)!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{ik} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot k)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D > \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq n + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} - j_{sa}^{ik} - j_{sa} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = k > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^n \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)}^{\left(l_{ik}\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\left(l_{ik}\right)} \\
&\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}+j_{ik}+1)}^{\left(n_i-j_{ik}+1\right)} \sum_{n_{sa}=\mathbf{n}-j_{sa}-1}^{\left(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k}\right)} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - \mathbb{Z})! \cdot (n_{ik} - n_{sa} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
&\quad \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
&\quad \sum_{k=1}^n \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)}^{\left(l_{s}+j_{sa}^{ik}-1\right)} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\left(l_{s}+j_{sa}^{ik}-1\right)} \\
&\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(n_i-j_{s}+1\right)} \\
&\quad \sum_{\left(\mathbf{n}_{is}=n_{is}+j_{sa}^s-j_{sa}^{ik}\right)}^{\left(\mathbf{n}_{is}+j_{sa}^s-j_{sa}^{ik}\right)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\left(\mathbf{n}_{is}+j_{sa}^s-j_{sa}^{ik}\right)} \\
&\quad \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\
&\quad \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.
\end{aligned}$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{i=1}^n \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{n + j_{sa} - s} \sum_{n_i = \mathbf{n} + \mathbb{k}}^{(n_i - j_{ik} + 1)} \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j^{sa} + 1}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\binom{(\)}{l_s+j_{sa}-1}} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})} j^{sa} = l_i + \mathbf{n} + j_{sa} - D - s$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{(\)} (n_{sa}=n_{ik}+j_{sa}^{ik}-j^{sa}-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa} - \mathbb{k})!}.$$

$$\frac{1}{(n_{is} + j_{sa} - j_{ik} - s)!} \cdot \frac{(n_{is} - 2)!}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa} - 1)!} \cdot \frac{(D - l_i)!}{(n_{is} + j^{sa} + s - n - l_i - j_{sa})! \cdot (n + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s < n - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s,$$

$$(l_i - j_{sa}^{ik} + 1) \leq l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \wedge D + l_s < n - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} - \mathbf{n} \wedge I = \mathbb{k} > 1) \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s \in \{j_{sa}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(\mathbf{n}+j_{sa}^{ik}-s)} \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)} j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_{sa} - l_{sa} - s)!}{(D - j^{sa} - \mathbf{n} - s)! \cdot (\mathbf{n} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{l_s+j_{sa}^{ik}} \sum_{(j_{ik}=l_i+n_{ik}-j_{sa}^{ik}-D-s)}^{(l_s+j_{sa}^{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(n_i-j_s+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}-j_{sa})} \frac{\binom{(\)}{n_i-n_{ik}-j_{ik}} \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_i-j_{ik}+1)}^{\infty} \sum_{n_{sa}=n-j^{sa}+1}^{\infty} \sum_{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{\infty} \sum_{n+n_{ik}-D-j_{sa}}^{\infty}}{(n_i-n_{ik}-1)! \cdot (n_i-n_{ik}-j_{ik}+1)!}.$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-1)! \cdot (n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}.$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)! \cdot (\mathbf{n}-j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik}-j_{sa}^{ik}-1)!}{(\mathbf{l}_{ik}-j_{ik})! \cdot (j_{ik}-j_{sa}^{ik}-1)!}.$$

$$\frac{(D+j_{sa}-\mathbf{l}_{sa}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l}_{sa})! \cdot (\mathbf{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\infty} \sum_{j^{sa}=\mathbf{l}_{ik}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{\mathbf{l}_s+j_{sa}-1} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j_{sa}^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{s})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i)!}{(D + j_{sa}^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j_{sa}^{sa} - \mathbb{s})!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge j_{sa}^{sa} + j_{sa} - s = \mathbb{s} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{sa} - j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{sa} < j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}^{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{s} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{(j_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{l_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{j_{sa} = l_i + \mathbf{n} + j_{sa} - D - s}^{n_i - j_{ik} + 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa}^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{(j_{ik} = l_{ik} + n - D)}^{(l_{ik})} \sum_{a=l_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{+j_{sa}}$$

$$\sum_{n_i=k}^n \sum_{(n_{ik}=n-i-k+1)}^{+1} \sum_{n_{sa}=n-j^{sa}+1}^{+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - \mathbb{k} + 1)! \cdot (l_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_s} \sum_{(j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa})}^{\left(\right)} \sum_{j^{sa} = \mathbf{l}_i + \mathbf{n} + j_{sa} - D - s}^{l_s + j_{sa} - 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^k} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^i-\mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^i - n_{sa} - j_{sa}^i - s - j_{sa}^k - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^i - n_{sa} - j_{sa}^i - \mathbf{n} - 2 \cdot j_{sa}^k - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^i - j_{ik} - \mathbb{k})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^i - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^i - 1)!} \cdot \\ \frac{(D - \mathbf{n})!}{(D + j_{sa}^i + s - \mathbf{n} - l_i - j_{sa}^i) \cdot \dots \cdot (j_{sa}^i - j_{sa}^k - 1)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^i \leq j_{ik} \leq j_{sa}^i + j_{sa}^i - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^i \leq j_{sa}^i \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^i + 1 > l_s \wedge l_{sa} + j_{sa}^i - j_{sa} > l_{ik} \wedge j_{sa}^i + j_{sa} - s = \mathbb{k} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{sa} - j_{sa} - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^i < j_{sa} - 1 \wedge j_{sa} < j_{sa}^i - 1$$

$$s: \{j_{sa}^i, \dots, j_{sa}^{\mathbb{k}}, \dots, \mathbb{k}, j_{sa}^{\mathbb{k}} - 1, \dots, j_{sa}\} \wedge$$

$$s \geq 5 \wedge s = s + 1 \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{iso} = \sum_{k=1}^{(l_i+n+j_{sa}^i-D-s-1)} \sum_{(j_{ik}=l_{ik}+\mathbf{n}-D)} \sum_{j_{sa}=l_i+\mathbf{n}+j_{sa}-D-s}^{n+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\mathbf{l}_{ik}} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D-s \\ j^{sa}=j_{ik}+j_{sa}-j_{s}}}^{(\mathbf{l}_{ik})} \frac{(n_{sa} - 1)!}{(j_{ik} - n_{ik} - 1)! \cdot (n_{i} - n_{ik} - j_{ik} + 1)!}.$$

$$\sum_{\substack{n_i=\mathbf{n}+\mathbb{k} \\ n_{ik}=n+\mathbb{k}+1}}^n \sum_{\substack{j_{ik}=n_{ik}-j_{ik}+1 \\ j^{sa}=j_{ik}+j_{sa}-\mathbb{k}}}^{(n_{i}-1)} \frac{(n_{sa} - 1)!}{(j_{ik} - n_{ik} - 1)! \cdot (n_{i} - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - r_{ik} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - \mathbb{k} - 1)! \cdot (j_{ik} + j_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_{sa} + j_{sa}^{ik} - 1} \sum_{\substack{j_{ik}=l_i+n+j_{sa}^{ik}-D-s \\ j^{sa}=j_{ik}+j_{sa}-j_{s}}} \frac{(n_{sa} - 1)!}{(j_{ik} - n_{ik} - 1)! \cdot (n_{i} - n_{ik} - j_{ik} + 1)!}.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{\substack{n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik}}}^{(n_{i}-1)} \frac{(n_{sa} - 1)!}{(j_{ik} - n_{ik} - 1)! \cdot (n_{i} - n_{ik} - j_{ik} + 1)!}.$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{()} \frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{k})!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbf{n})!}$$

$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$

$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq D + (s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq s + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$

$l_i \leq D + (s - \mathbf{n})) \wedge$

$(D \geq \mathbf{n} < n \wedge l = \mathbb{k} > \wedge$

$j_{sa} - j_{sa} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$

$s - j_{sa}^s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1} \sum_{()} \sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{l_{sa}} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}$$

guido

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} - s)!}{(l_{sa} - j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{n_i} \sum_{(j_{sa}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{(\)} \sum_{j^{sa}=j_{sa}+1}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_{is}+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}}^{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_{sa} + s - n - j_{sa} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa})}} \sum_{\substack{() \\ (j_{sa}=j_{sa}+1)}} \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{sa} - \mathbb{k} - 1) \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - n - 1)! \cdot (n - j_{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - n - l_{sa})! \cdot (n + j_{sa} - j_{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik}+j_{sa}-j_{sa})}} \sum_{\substack{l_{sa} \\ (j_{sa}=l_i+n+j_{sa}-D-s)}}$$

$$\sum_{n_i=n_{is}+\mathbb{k}}^n \sum_{\substack{() \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{\substack{n \\ (n_i-j_s+1)}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{\substack{() \\ (n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})}}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{isa} - j_{sa} - s)!}.$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge j_{sa} + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} - 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} \leq j_{sa} - j_{sa}^{ik} \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s - 1 + \mathbb{k} \wedge$$

$$\mathbb{k}_z; \mathbb{k}_z^{-1}) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa} - l_{sa})!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{\substack{k=1 \\ =n+\mathbb{k}}}^{\left(l_s+j_{sa}^{ik}-1\right)} \sum_{\substack{=j_{sa}^{ik}+1 \\ =n+j_{sa}^{ik}-j_{sa}}}^{l_{sa}-j_{sa}^{ik}}$$

$$\sum_{=n+\mathbb{k}}^{\left(n_i-j_s+1\right)} \sum_{\substack{(n_i=j_s+1) \\ (n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}$$

$$\sum_{\substack{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik} \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}^{\left(\right)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{ik} + j_{sa} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$s \geq \mathbf{n} < l_i \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=j_{sa}^{ik}) \\ (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{\infty} \frac{\left[\sum_{n_i=n+\mathbb{k}+1}^{\infty} \sum_{\substack{(n_i-j_{ik}+1) \\ (n_{ik}+j_{ik}-n_{sa}=n-j_{sa}+1)}}^{\infty} \frac{\left(\sum_{n_i=n+\mathbb{k}+1}^{\infty} \frac{(n_i-1)!}{(j_{ik}-2) \cdot (n_i-n_{ik}-j_{ik}+1)!} \right)}{(j_{ik}-1) \cdot (n_i+n_{ik}-j_{ik}-1)!} \cdot \frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j_{sa}-j_{ik}-1) \cdot (n_i+j_{ik}-n_{sa}-j_{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(j_{sa}-\mathbf{n}-1) \cdot (\mathbf{n}-j_{sa})!} \cdot \frac{(l_{ik}-j_{sa}^{ik}-1)!}{(l_{ik}-j_{ik}) \cdot (j_{ik}-j_{sa}^{ik}-1)!}} \right]}{(D + j_{sa} - l_{sa} - s)!} - \\ &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \end{aligned}$$

$$\sum_{k=1}^{\infty} \sum_{\substack{(j_{ik}=l_i+n+j_{sa}^{ik}-D-s) \\ (j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}}^{\infty} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{\infty} \sum_{\substack{(n_i-j_s+1) \\ (n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{\infty}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{\substack{(\) \\ (n_{sa}=n_{ik}+j_{ik}-j_{sa}-\mathbb{k})}}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$P_{ik,j^{sa}} = \sum_{k=1}^{(l_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(l_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_{sa} = n_{ik} + j_{ik} - j_{sa}^{ik} - \mathbb{k})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{is} + j_{sa}^s - n_{sa} - j^{sa} - 2 \cdot \mathbb{k} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(j_{sa}^{ik} - j_{sa} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(l_s - l_i)!}{(D + j^{sa} + \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n - 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^s + j_{sa}^{ik} - 1 \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j_{sa}^s \leq \mathbf{n} + j_{sa} - j_{sa}^{ik} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} - 1 \leq D + j^{sa} + s - \mathbf{n} - 1 \wedge$$

$$(D - \mathbf{n} - 1) \leq n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, \{j_{sa}^i, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1 \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{l_{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{ik} = n + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = n - j^{sa}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j_{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - n - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - n - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{i=1}^{l_s} \sum_{(j_{ik} = l_i + n + j_{sa}^{ik} - D - s)}^{(l_{sa} + j_{sa}^{ik} - j_{sa})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{is} + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{is} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n \bullet \bullet \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\{s, \{s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - j_{sa})} \sum_{(j_{ik} = j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_{sa} + 1}^{l_{ik} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - 1 - \mathbb{k})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + \mathbb{k} - l_{ik} - s)!}{(j_{ik} + \mathbb{k} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j^{sa} - l_{sa} - s)!}{(D - j_{sa} - \mathbb{k} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{l_{ik}} \sum_{(j_{ik} = j_{sa}^{ik} + 1)}^{(l_{ik})} \sum_{j^{sa} = l_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa} \\ (j_{ik}-j_{sa}^{ik})}}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{\substack{j^{sa}=j_{sa}+j_{sa}^{ik} \\ (j^{sa}-j_{sa}^{ik})}}^{\mathbf{l}_s+j_{sa}-1} \sum_{n_i=n+\mathbb{k}}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{\substack{(n_i-j_{ik})+1 \\ (n_i-j_{sa}^{ik})}}^{\left(\begin{array}{c} \\ \end{array}\right)} \sum_{\substack{n_{ik}=n_i-j_{sa}^{ik} \\ n_{ik}-j_{sa}^{ik} \\ n_{ik}-j^{sa}-\mathbb{k}}}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(2 \cdot n_{is} - j_{ik} + j_{sa}^{s})! \cdot (2 \cdot n_{is} - j^{sa} - j_{sa}^{ik} - s - j_{sa}^{ik} - z \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^{s} - n_{is} - j^{sa} - j_{sa}^{ik} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - l_i)!}{(D + j_{sa}^{ik} - s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - n - 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$

$l_i \leq D + s - n) \vee$

$(D > n - \mathbf{n} \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$

$l_{sa} - j_{sa} + 1 > l_s \wedge$

$$l_{sa} \leq D + j_{sa} - n \wedge l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l_s > 1 \wedge l_s \leq D - n + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq n + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} -$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{n_i} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{\text{(l}_{ik}\text{)}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{(\mathbf{l}_s + j_{sa}^{ik} - k)} \sum_{(j_{ik} = j_{sa}^{ik} + j^{sa} - j_{ik} + k - j_{sa})}^{(j^{sa} - j_{ik} + k - j_{sa})}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^{(n_i - j_{sa})} \sum_{(n_{is} = n_i + \mathbb{k} + j_{sa}^{ik} - j_{ik})}^{(n_i - j_{sa})}$$

$$\sum_{n_{ik} = n_i - j_{sa}^{ik} - j_{sa}}^{(n_i - j_{sa})} \sum_{(n_{is} = n_i + j_{ik} - j^{sa} - \mathbb{k})}^{(n_i - j_{sa})}$$

$$\frac{(2 \cdot n_{is} + j_{ik} - j_{sa}^{ik} - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + j_{ik} + j_{sa}^{ik} - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} \leq j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$j_{sa}^{ik} - j_{sa}^{ik} - 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j_{sa}}^{\text{ISO}} = \sum_{k=1}^{l_{ik}} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik})} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa})} \\ \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-\mathbb{k}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j_{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik})! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \\ \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j_{sa} - \mathbb{k} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j_{sa} - \mathbb{k})!} \\ \frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_{sa})!} \\ \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \\ \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j_{sa} - s)!} - \\ \sum_{k=1}^{l_s + j_{sa}^{ik} - 1} \sum_{(j_{ik}=l_{sa}+n+j_{sa}^{ik}-D-j_{sa})}^{(l_{ik})} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(l_{sa})} \\ \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-\mathbb{k}+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}^{sa}-\mathbb{k})}^{(\)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - \mathbb{s})!} \cdot \frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (s + j_{sa} - j^{sa} - \mathbb{s})!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < l_{ik} \leq D + l_s - (j_{sa}^{ik} - \mathbf{n}) \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_{sa} + l_i - (n - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + (l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\ \{s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} + j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j^{sa} - \mathbb{k} - 1)!} \cdot$$

$$\frac{(n - l_{ik} - 1)!}{(n + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa} - 1)!} \cdot$$

$$\frac{(l_{ik} - j_{ik} - 1)!}{(l_{ik} - i_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(D - l_{sa} - l_{sa} - s)!}{(D - j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \bullet l_i + j_{sa} - 1 - l_{sa}$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - (\bullet - 1)) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j^{sa}+j_{sa}^{ik}-j_{sa})} \sum_{j^{sa}=l_{sa}+\mathbf{n}-D}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}.$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{ik}-1 \\ j_{ik} \geq 1}}^{\left(\begin{array}{c} l_s + j_{sa}^{ik} - 1 \\ j_{sa}^{ik} \end{array}\right)} \sum_{\substack{n_i=n+j_{sa}+j_{ik}-s \\ n_i \geq 1}}^{\left(\begin{array}{c} n_i-j_{sa}+1 \\ n_i-j_{ik}+1 \end{array}\right)} \sum_{\substack{n_{ik}+j_{ik}=n-k \\ n_{ik} \geq 1}}^{\left(\begin{array}{c} n_i-n_{ik} \\ n_i-n_{ik}-j_{ik}+1 \end{array}\right)} \frac{(n_i - n_{ik})!}{(n_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - j_{sa}^{ik} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{\substack{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{ik}-1 \\ j_{ik} \geq 1}}^{\left(\begin{array}{c} \) \\ j_{ik}=j^{sa}+j_{sa}^{ik}-j_{ik} \end{array}\right)} \sum_{\substack{l_{ik}+j_{sa}-j_{sa}^{ik} \\ l_{ik} \geq 1}}^{\left(\begin{array}{c} l_{ik}+j_{sa}-j_{sa}^{ik} \\ l_{ik}+n+j_{sa}-D-s \end{array}\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_i-j_s+1) \\ (n_i=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}}^{\left(\begin{array}{c} n_i-j_s+1 \\ n_i=n+\mathbb{k}+j_{sa}^{ik}-j_{ik} \end{array}\right)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^{ik}}^{\infty} \sum_{\substack{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}) \\ (n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}}^{\left(\begin{array}{c} \) \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k} \end{array}\right)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(\mathbf{l}_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - s)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j^{sa} + s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa}^{ik} - j^{sa} - s)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa})$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > 1 \wedge \mathbf{l}_s \leq \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < \mathbf{l}_{sa} \leq D + \mathbf{l}_{ik} + j_{sa} - (\mathbf{n} - 1)) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^{ik}, \dots, \mathbb{m}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(\mathbf{l}_{sa}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1)} \sum_{j^{sa}=\mathbf{l}_{sa}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - 1)! \cdot (j_{sa} + j_{ik} - l_{sa} - j_{sa})!}.$$

$$\frac{(l_{sa} + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{s=1}^{l_{sa}} \sum_{(j_{ik} = l_{sa} + j_{sa}^{ik} + j_{sa} - D - j_{sa})}^{(\mathbf{l}_{sa} + j_{sa}^{ik})} \sum_{j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik}}^{n + j_{sa} - s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s)}^{\binom{l_{ik}}{k}} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}+j_{sa}^{ik}-\mathbb{s})}^{\binom{n_i-j_s+1}{k}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{is}-j_{sa}^{ik}}^{\binom{()}{k}} (n_{sa}=n_{ik}+j_{sa}-j^{sa}-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n_{is} + j_{sa} - j_{ik} - s)!}.$$

$$\frac{1}{(l_s + j_{sa} - j_{ik} - s - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$(D - l_i)!$$

$$\frac{1}{(n_{is} + s - l_i - j_{sa}^{is} - 1) \cdot (n + j_{sa} - j^{sa} - s)!}.$$

$$((D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_i \leq D - \mathbf{n} + 1) \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa}^{is} - j_{sa}^{ik} \leq j_{sa}^{is} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{ik} + 1 > 1 \wedge l_{sa} - j_{sa}^{is} - j_{sa}^{ik} > l_{ik} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_i \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j_{sa}^{is} \wedge j_{sa}^{ik} \leq j^{sa} \wedge$$

$$j_{ik} + j_{sa}^{is} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa}^{is} - j_{sa}^{ik} > l_s \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_{ik}, \mathbb{k}}^{\text{D}} = \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=l_{ik}+n-D)}^{(l_{ik})} \sum_{j^{sa}=l_{ik}+j_{sa}-j_{sa}^{ik}+1}^{n+j_{sa}-s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - n - 1)!}{(n_{sa} + j^{sa} - n - 1)! \cdot (n - j^{sa} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - l_{sa} - s)! \cdot (n + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\infty} \sum_{j^{sa}=l_i+n+j_{sa}-D-s}^{l_s+j_{sa}-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}+j_{sa}^{ik}-j_{ik})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^{ik}}^{\infty} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1)! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j^{sa} + s - \mathbf{n} - l_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$
 $D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \vee$
 $(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{sa} - j_{sa} + 1 > l_s \wedge$
 $D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$
 $D + s - \mathbf{n} < l_i \leq D + l_{sa} + s - \mathbf{n} - j_{sa} \wedge$
 $(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1 \wedge$
 $(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$
 $j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$
 $j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$
 $l_{ik} - j_{sa}^{ik} + 1 > l_{sa} \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$
 $D + j_{sa} - \mathbf{n} < l_{sa} \leq D + l_s + j_{sa} - \mathbf{n} - 1) \wedge$
 $(D \geq \mathbf{n} < n \wedge l_s > 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$
 $j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$
 $s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$
 $s \geq 5 \wedge s = s + \mathbb{k} \wedge$
 $\mathbb{k}_z: z = 1) \Rightarrow$

$$\begin{aligned}
{}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} &= \sum_{k=1}^{(l_{sa} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa} - 1)} \sum_{(j_{ik} = l_{ik} + \mathbf{n} - D)}^{n + j_{sa} - s} \sum_{j^{sa} = l_{sa} + \mathbf{n} - D}^{n + j_{sa} - s} \\
&\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{(n_i - j_{ik} + 1)} \sum_{n_{sa} = \mathbf{n} - j^{sa}}^{n_{ik} + j_{ik} - j^{sa} - \mathbb{k}} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
&\quad \frac{(\mathbf{n} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
&\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - l_{sa} - s)! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + \\
&\quad \sum_{n_i = \mathbf{n} + \mathbb{k}}^{(l_{ik})} \sum_{(n_{ik} = \mathbf{n} + \mathbb{k} - j_{ik} + 1)}^{n + j_{sa} - s} \sum_{n_{sa} = \mathbf{n} - j^{sa} + 1}^{n + j_{sa} - s} \\
&\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
&\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
&\quad \frac{(\mathbf{n}_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
&\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.
\end{aligned}$$

g i u d i s s

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{\mathbf{l}_s + j_{sa}^{ik} - 1} \sum_{(j_{ik} = l_i + n + j_{sa}^{ik} - D - s)} \sum_{j^{sa} = i_s + j_{sa} - j_{ik}} \sum_{n_i = n + \mathbb{k} (n_{is} - n_{ik} - j_{ik})}^{n} \sum_{(n_{is} - n_{ik} - j_{ik})}^{(n_i - \mathbb{k} + 1)}$$

$$\frac{(2 \cdot n_{is} + j_{ik} + j_{sa}^s - j_{sa} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{ik} + j_{sa}^s - n_{sa} - j^{sa} - s - 2 \cdot j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \frac{1}{(\mathbf{n} + j_{sa}^{ik} - j_{ik} - s)!}.$$

$$\frac{(\mathbf{l}_s - 2)!}{(l_s + j_{sa}^{ik} - j_{ik} - 1) \cdot (j_{ik} - j_{sa}^{ik} - 1)}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_{sa} - s - \mathbf{n} - \mathbf{l}_i - j_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} = D + j_{sa} - n \wedge$$

$$j_{sa}^{ik} \leq \dots \leq j^{sa} + j_{sa}^{ik} - i_s \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq i_s + j_{sa} - s \wedge$$

$$l_{ik} = i_s + 1 = i_s + i_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s < j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{iso}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\mathbf{n} - 1)!}{(n_i + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \mathbf{n} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})!} +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}+1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(l_{sa} + j_{sa}^{ik} - j^{sa} - l_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{()}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\}$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=j_{sa}}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_i-j_{ik}-j^{sa}-\mathbb{k}}^{\left(\right)}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_{sa} \leq D + j_{sa} - 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0)$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \leq 5 \wedge s = \mathbb{k} \wedge \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{l_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - s)!}.$$

$$\sum_{k=1}^{\mathbf{n}} \sum_{\substack{() \\ j_{ik}=j_{sa}^{ik}}} \sum_{\substack{() \\ j_{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^{\mathbf{n}} \sum_{\substack{() \\ (n_i-j_{ik}+1)}} \sum_{\substack{() \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}}$$

$$\frac{(2 \cdot n_i - j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - \mathbf{l}_{sa} - \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(s + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_{sa} \leq D - j_{sa}^{ik} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - \mathbb{k} \wedge$$

$$\mathbf{l}_{ik} - \mathbb{k} + 1 > \mathbf{l}_s \wedge n_i + j_{sa}^{ik} - j_{sa} =$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = \mathbb{k} > 0 \wedge$$

$$j_{sa} < j_{sa}^{i} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$\{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s$$

$$\mathbb{k}_z \cdot z = 1,$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{\mathbf{n}} \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{\mathbf{n}} \sum_{\substack{() \\ (n_{ik}=n+\mathbb{k}-j_{ik}+1)}} \sum_{\substack{() \\ n_{sa}=\mathbf{n}-j^{sa}+1}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}$$

$$\frac{(D + j_{sa}^{ik} - s)!}{(D + j_{sa}^{ik} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} -$$

$$\sum_{k=1}^n \sum_{\substack{(\) \\ j_{ik}=j_{sa}^{ik}}} \sum_{\substack{(\) \\ j^{sa}=j_{sa}}}$$

$$\sum_{n_i=n+\mathbb{k}}^{\mathbf{n}} \sum_{\substack{(\) \\ (n_{ik}=n_i-j_{ik}+1)}} \sum_{\substack{(\) \\ n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}}$$

$$\frac{(n_i - n_{ik} - j_{sa}^{ik} - l_{sa} - j_{ik} + j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j_{sa}^s - \mathbf{n} + s - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} +$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} \wedge j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} - j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$l_i \leq (s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} < j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{sa} - j_{sa} + 1 > l_s \wedge$$

$$l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 {}_{fz}S_{j_{ik}, j_{sa}}^{\text{ISO}} &= \sum_{k=1}^{n_i} \sum_{(j_{ik}=j_{sa})}^{\left(\begin{array}{c} l_{ik} \\ j_{ik} \end{array}\right)} \sum_{a=j_{sa}}^{l_{sa}} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{n_{ik}=n+\mathbb{k}-j_{ik}+1}^{\left(\begin{array}{c} n_i+1 \\ n_i \end{array}\right)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-a-\mathbb{k}} \\
 &\quad \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 &\quad \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
 &\quad \frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 &\quad \frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot \\
 &\quad \frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(\mathbb{k} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot \\
 &\quad \frac{(D + j_{sa} - l_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
 &\quad \sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{\left(\begin{array}{c} l_{ik} \\ j_{ik} \end{array}\right)} \sum_{j^{sa}=j_{sa}}^{l_{sa}} \\
 &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{n_{ik}=n_i-j_{ik}+1}^{\left(\begin{array}{c} n_i \\ n_i \end{array}\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{n_{ik}+j_{ik}-1} \\
 &\quad \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.
 \end{aligned}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + s - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{sa} - j_{sa} + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_{sa} \leq D + j_{sa} - \mathbf{n} \wedge \mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} - j_{sa}^{ik} \leq \mathbb{k} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z \mapsto 1)$$

$${}_{fz}S^{\mathrm iso}_{j_{ik},j^{sa}}=\sum_{k=1}^n\sum_{(j_{ik}=j_{sa}^{ik})}^{\left(l_{ik}\right)}\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{\left(l_{sa}\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)}\sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}.$$

$$\frac{(n_{ik}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa}-\mathbb{k})!}.$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{\substack{() \\ j_{ik}=j_{sa}^{ik}}} \sum_{\substack{() \\ j^{sa}=j_{sa}}} \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s + j_{sa})!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - \mathbf{l}_{sa} - \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!} \cdot \frac{(D - l_i)!}{(s + \mathbf{n} - \mathbf{l}_i) \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_{sa} \leq j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa}$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - j_{sa}^{ik} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge j_{sa}^{ik} + j_{sa}^{ik} - j_{sa} >$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s = \mathbb{k} > 0)$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa} \leq j_{sa}^{ik} - 1 \wedge$$

$$s \cdot \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq \mathbb{s} \wedge s = s + 1$$

$$\mathbb{K}_z : z = 1$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa})}^{()} \sum_{j^{sa}=j_{sa}}^{l_{ik}+j_{sa}-j_{sa}^{ik}} \right.$$

$$\left. \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \right)$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(D + j_{sa} - \mathbf{n} - s)!}{(D + j_{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} - \mathbf{l}_{sa})!} +$$

$$\sum_{k=1}^{(j^{sa} + j_{sa}^{ik} - \mathbb{k} - 1)} \sum_{\substack{(j_{ik} = j_{sa}^{ik}) \\ (j_{ik} = j_{sa})}}^{\mathbf{l}_{ik} + j_{sa} - j_{sa}^{ik}} \sum_{n_{sa} = n - j^{sa} + 1}^{l_{ik} + j_{ik} - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}.$$

$$\frac{(\mathbf{l}_{ik} - j_{sa}^{ik} - 1)!}{(\mathbf{l}_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!}.$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(l_{ik})} \sum_{(j_{ik} = j_{sa}^{ik})}^{l_{ik}} \sum_{j^{sa} = l_{ik} + j_{sa} - j_{sa}^{ik} + 1}^{l_{sa}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k} - 1)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!}$$

$$\frac{(l_{ik} - j_{sa})!}{(l_{ik} - l_{sa})! \cdot (j_{ik} - j_{sa} - 1)!} \cdot$$

$$\frac{(l_{sa} - l_{ik} - j_{sa})!}{(j_{ik} + j_{sa} - l_{sa} - l_{ik} - (j^{sa} - j_{ik} - l_{sa} - j_{sa}))!} \cdot$$

$$\frac{(D - j_{sa} - l_{sa} - s)!}{(\mathbf{n} + j^{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} + j^{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^{\infty} \sum_{(j_{ik}=j_{sa})}^{\left(\right)} \sum_{j^{sa}=j_{sa}}^{\left(\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\left(\right)} \sum_{n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}^{\left(\right)}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$D \geq n \wedge l_s < l_{sa} \wedge l_{sa} \leq D + j_{sa} - \mathbf{n} \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$+ j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_{ik}, j_{sa}}^{iso} = \left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_s}^{(l_{ik})} \right. \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\ \frac{(\mathbf{n} - 1)!}{(n_{sa} - n^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\ \left. \frac{(l_{ik} - j_{sa} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa} - 1)!} \right) +$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!} \Bigg) +$$

$$\left(\sum_{k=1}^n \sum_{(j_{ik}=j_{sa})}^{(l_{ik})} \sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^i+1}^{l_{sa}} \right.$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=n-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\ \frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot$$

$$\frac{(l_{ik} - j_{sa}^{ik} - 1)!}{(l_{ik} - j_{ik})! \cdot (j_{ik} - j_{sa}^{ik} - 1)!} \cdot$$

$$\frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(j_{ik} + \mathbf{l}_{sa} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}.$$

$$\frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} \Big) -$$

$$\sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ (j^{sa}=j_{sa})}} \sum_{\substack{() \\ (n_i=\mathbf{n}+\mathbb{k}, n_{ik}=n_i-j_{ik}+1, n_{sa}=n-\mathbf{s}, n_{sa}-\mathbb{k})}} \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa})!}{(2 \cdot n_i - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa})! \cdot (\mathbf{n} - s)!} \cdot \frac{1}{(D - s - \mathbf{n} - \mathbf{l}_i) \cdot (\mathbf{n} - s)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s = 1 \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_s + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k} > 0 \Rightarrow$$

$${}_{fz}S_{j_{ik}, j^{sa}}^{\text{ISO}} = \sum_{k=1}^n \sum_{\substack{() \\ (j_{ik}=j_{sa}^{ik})}} \sum_{\substack{() \\ (j^{sa}=j_{sa})}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=\mathbf{n}+\mathbb{k}-j_{ik}+1)}^{(n_i-j_{ik}+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!}.$$

$$\frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!}.$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D + j_{sa} - l_{sa} - s)!}{(D + j_{sa} - \mathbf{n} - l_{sa})! \cdot (\mathbf{n} - s)!}$$

$$\sum_{n_i=1}^n (n_{ik} = n_i - s + 1) n_{sa} = n_{ik} - j^{sa} - \mathbb{k}$$

$$\frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{+ s - \mathbf{n} - l_i) \cdot (\mathbf{n} - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq j_{ik} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i \leq l_{ik} \wedge$$

$$l_{sa} \leq n_i + j_{sa} - \mathbf{n} \wedge l_i \leq D + s - \mathbf{n} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} - j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i \leq D + s - \mathbf{n} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_{sa}^{ik} \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j_{ik} + j_{sa} - j_{sa}^{ik} \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, \mathbb{k}, j_{sa}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 5 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

GÜNDÜZ İNŞA

$$\begin{aligned}
 & f_{2 \cdot n_i - j_{sa}^{ik} - l_{ik}} = \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_{ik}=n_i-j_{ik}+1)}^{\infty} \sum_{n_{sa}=n-j_{sa}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(n_i - n_{ik} - 1)!}{(n_i - n_{ik} - j_{ik} + 1)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot \\
 & \frac{(n_{ik} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{sa}^{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \\
 & \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot \\
 & \frac{(\mathbf{l}_{sa} + j_{sa}^{ik} - \mathbf{l}_{ik} - j_{sa})!}{(\mathbf{l}_{sa} + j_{sa}^{ik} - j^{sa} - \mathbf{l}_{ik})! \cdot (j^{sa} - j_{sa})!} \cdot \\
 & \frac{(D + j_{sa} - \mathbf{l}_{sa} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l}_{sa})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - \\
 & \sum_{k=1}^n \sum_{(j_{ik}=j_{sa}^{ik})}^{\infty} \sum_{j^{sa}=j_{sa}}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}} \\
 & \frac{(2 \cdot n_i + j_{sa}^{ik} - n_{sa} - j_{ik} - j^{sa} - s - 2 \cdot \mathbb{k} + j_{sa}^s)!}{(2 \cdot n_i - n_{sa} - j^{sa} - \mathbf{n} - 2 \cdot \mathbb{k} + j_{sa}^s)! \cdot (\mathbf{n} - s)!}.
 \end{aligned}$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

gÜLDÜNYA

DİZİN

B

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.1.1/3-4

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.2.1/3-4

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.2.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.1.1/3-4

ilk düzgün-simetrik olasılık,
2.3.2.1.1.3.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/3-4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumu simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.1.1/153-154

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.1/162-163

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/210

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.1.2.1/153-154

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.2.1/162-163

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/210

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.2.1/153-154

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.3.1/162-163

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/210

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.4.1.1/3-4

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.4.1.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.4.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.4.2.1/3-4

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.4.2.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.4.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.1.4.3.1/3-4

ilk düzgün simetrik olasılık,
2.3.2.2.1.1.4.3.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.4.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumu

simetrinin son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.1.1.1/156-157
- ilk düzgün simetrik olasılık,
2.3.2.2.1.1.1/165
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1/215

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.1.2.1/156-157
- ilk düzgün simetrik olasılık,
2.3.2.2.1.1.2.1/165
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/215

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.1.3.1/156-157
- ilk ilk düzgün simetrik olasılık,
2.3.2.2.1.1.3.1/165
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/215

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.1.6.1/3-4
- ilk düzgün simetrik olasılık,
2.3.2.2.1.6.1/3-4
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.1.6.2.1/3-4
- ilk düzgün simetrik olasılık,
2.3.2.2.1.6.2.1/3-4
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu

bağımlı simetrinin son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.1.6.3.1/3-4
- ilk düzgün simetrik olasılık,
2.3.2.2.1.6.3.1/3-4
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.3.1/3-4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumuna bağlı

- ilk simetrik olasılık,
2.3.2.1.1.1.1/7
- ilk düzgün simetrik olasılık,
2.3.2.2.1.1.1/6
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1/1

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı

- ilk simetrik olasılık,
2.3.2.1.1.2.1/77
- ilk düzgün simetrik olasılık,
2.3.2.2.1.1.2.1/61
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/106

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı

- ilk simetrik olasılık,
2.3.2.1.1.3.1/77
- ilk ilk düzgün simetrik olasılık,
2.3.2.2.1.1.3.1/61
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/106

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık,
2.3.2.1.2.1.1.1/4
- ilk düzgün simetrik olasılık,
2.3.2.2.2.1.1.1/3-4
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.1.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.1.2.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.1.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.1.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.1.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.1.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.1.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.2.1.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.2.2.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.2.2.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.2.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.2.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.2.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.2.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.2.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.4.1.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.4.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.4.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.4.2.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.4.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.4.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.4.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.4.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.4.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.6.1.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.6.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.6.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.6.2.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.6.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.6.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.6.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.6.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.6.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
simetrinin ilk ve son durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.7.1.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.2.7.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.7.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımsız simetrinin ilk ve son durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.7.2.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.2.7.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.7.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımlı simetrinin ilk ve son durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.7.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.2.7.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.2.7.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu simetrinin ilk
ve herhangi bir durumun bulunabileceği
olaylara göre

ilk simetrik olasılık,
2.3.2.1.3.1.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.3.2.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.3.1.1.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımsız
simetrinin ilk ve herhangi bir durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.3.1.2.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.3.2.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.3.1.2.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımlı
simetrinin ilk ve herhangi bir durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.3.1.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.3.2.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.3.1.3.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
simetrinin ilk ve herhangi bir durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.2.2.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.3.2.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.3.2.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımsız simetrinin ilk ve herhangi bir
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.3.2.2.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.3.2.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.3.2.2.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımlı simetrinin ilk ve herhangi bir
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.3.2.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.3.2.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.3.2.3.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu simetrinin
herhangi iki durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.4.1.1.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.4.1.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.4.1.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımsız
simetrinin herhangi iki durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.4.1.2.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.4.1.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.4.1.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımlı
simetrinin herhangi iki durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.4.1.3.1/4
ilk düzgün simetrik olasılık,
2.3.2.2.4.1.3.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.4.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu simetrinin ilk
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.4.1.1.1/701-702

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımsız
simetrinin ilk durumunun bulunabileceği
olaylara göre

ilk simetrik olasılık,
2.3.2.1.4.1.2.1/701-702

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımlı
simetrinin ilk durumunun bulunabileceği
olaylara göre

ilk simetrik olasılık,
2.3.2.1.4.1.3.1/701-702

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu simetrinin ilk
ve herhangi iki durumunun bulunabileceği
olaylara göre

ilk simetrik olasılık,
2.3.2.1.5.1.1.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.5.1.1.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.5.1.1.1/6

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımsız
simetrinin ilk ve herhangi iki durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.5.1.2.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.5.1.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.5.1.2.1/6

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımlı
simetrinin ilk ve herhangi iki durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.5.1.3.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.5.1.3.1/4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.5.1.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
simetrinin ilk ve herhangi iki durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.5.2.1.1/6-7

ilk düzgün simetrik olasılık,
2.3.2.2.5.2.1.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.5.2.1.1/8

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımsız simetrinin ilk ve herhangi iki
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.5.2.2.1/6-7

ilk düzgün simetrik olasılık,
2.3.2.2.5.2.2.1/3-4
ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.5.2.2.1/8

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımlı simetrinin ilk ve herhangi iki
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.5.2.3.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.5.2.3.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.2.3.1/6
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık, 2.3.2.1.8.1.1.1/5
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.1.1.1/5
 dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık, 2.3.2.1.8.1.2.1/5
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.1.2.1/5
 dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık, 2.3.2.1.8.1.3.1/5
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.1.3.1/5
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık, 2.3.2.1.8.2.1.1/6-7
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.1.1/7
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı ilk simetrik olasılık, 2.3.2.1.8.2.2.1/6-7
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.2.1/7
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.2.3.1/5
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.3.1/5
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık, 2.3.2.1.6.1.1.1/5
 ilk düzgün olmayan simetrik olasılık, 2.3.2.2.6.1.1.1/3-4
 ilk düzgün olmayan simetrik olasılık, 2.3.2.2.6.1.1.1/5
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık, 2.3.2.1.6.1.2.1/5
 ilk düzgün simetrik olasılık, 2.3.2.2.1.2.1/3-4
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.1.2.1/5
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık, 2.3.2.1.6.1.3.1/5
 ilk düzgün simetrik olasılık, 2.3.2.2.6.1.3.1/3-4
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.1.3.1/5
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık, 2.3.2.1.6.2.1.1/6
 ilk düzgün simetrik olasılık, 2.3.2.2.6.2.1.1/3-4
 ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.2.1.1/8
 Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık, 2.3.2.1.6.2.2.1/6

ilk düzgün simetrik olasılık,
2.3.2.2.6.2.2.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.2.2.1/8

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.2.3.1/4-5

ilk düzgün simetrik olasılık,
2.3.2.2.6.2.3.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.2.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bir bağımsız durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.4.1.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.6.4.1.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.4.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bir bağımsız durumlu
bağımsız simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.4.2.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.6.4.2.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.4.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bir bağımsız durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.4.3.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.6.4.3.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.4.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.6.1.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.6.1.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.6.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
bağımsız simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.6.2.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.6.6.2.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.6.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.6.3.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.6.3.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.6.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.7.1.1/6

ilk düzgün simetrik olasılık,
2.3.2.2.6.7.1.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.7.1.1/8

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımsız simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.7.2.1/6

ilk düzgün simetrik olasılık,
2.3.2.2.6.7.2.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.7.2.1/8

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.6.7.3.1/4-5

ilk düzgün simetrik olasılık,
2.3.2.2.6.7.3.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.6.7.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu simetrinin ilk
herhangi bir ve son durumunun
bulunabileceği olaylara göre herhangi bir
ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.1.1.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.1.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımsız
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.1.2.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.1.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımlı
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.1.3.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.2.1.1/6

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.2.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.2.2.1/6

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.2.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.2.3.1/4-5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.2.3.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.4.1.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.4.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
bağımsız simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.4.2.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.4.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.4.3.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.4.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.6.1.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.6.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımsız simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.6.2.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.6.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı-bağımsız durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.6.3.1/5

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.6.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.7.1.1/6

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.7.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımsız simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.7.2.1/6

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.7.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımsız durumlu
bağımlı simetrinin ilk herhangi bir ve son
durumunun bulunabileceği olaylara göre
herhangi bir ve son duruma bağlı

ilk simetrik olasılık,
2.3.2.1.9.7.3.1/4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.9.7.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu simetrinin ilk
herhangi iki ve son durumunun
bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.7.1.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.7.1.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.7.1.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımsız
simetrinin ilk herhangi iki ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.7.1.2.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.7.1.2.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.7.1.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımlı durumlu bağımlı
simetrinin ilk herhangi iki ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.7.1.3.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.7.1.3.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.7.1.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
simetrinin ilk herhangi iki ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.7.2.1.1/7

ilk düzgün simetrik olasılık,
2.3.2.2.7.2.1.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.7.2.1.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımsız simetrinin ilk herhangi iki ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.7.2.2.1/7

ilk düzgün simetrik olasılık,
2.3.2.2.7.2.2.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.7.2.2.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı
dizilimsiz bağımsız-bağımlı durumlu
bağımlı simetrinin ilk herhangi iki ve son
durumunun bulunabileceği olaylara göre

ilk simetrik olasılık,
2.3.2.1.7.2.3.1/5

ilk düzgün simetrik olasılık,
2.3.2.2.7.2.3.1/3-4

ilk düzgün olmayan simetrik
olasılık, 2.3.2.3.7.2.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.4.1.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.4.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.4.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.4.2.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.4.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.4.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.4.3.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.4.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.4.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.6.1.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.6.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.6.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.6.2.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.6.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.6.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.6.3.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.6.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.6.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.7.1.1/7
ilk düzgün simetrik olasılık,
2.3.2.2.7.7.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.7.1.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.7.2.1/7
ilk düzgün simetrik olasılık,
2.3.2.2.7.7.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.7.2.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık,
2.3.2.1.7.7.3.1/5
ilk düzgün simetrik olasılık,
2.3.2.2.7.7.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.7.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı ilk simetrik olasılık,
2.3.2.1.10.1.1.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.1.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,

2.3.2.1.10.1.2.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.1.2.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.1.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.1.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.2.1.1/7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.2.2.1/7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.2.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.4.1.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.4.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.4.2.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.4.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.4.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.4.3.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.6.1.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.6.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.6.2.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.6.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.6.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.6.3.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.7.1.1/7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.7.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.7.2.1/7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.7.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.10.7.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.7.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.1.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.1.2.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.2.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.1.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.2.1/8-9

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.2.1.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.2.2/1

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.2.2.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.2.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.2.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.4.1.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.4.1.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.4.2.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.4.2.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.4.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.4.3.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.6.1.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.6.1.1/9

Bağımlı ve bir bağımsız olasılıklı fan
dizilimsiz bağımlı-bağımsız dolumlu
bağımsız simetrinin ilk herhangi iki ve son
durumunun bulunabileceği olaylara göre
herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.6.2.1/6

ilk düzgün olmanın şansı
olasılık, 2.3.2.3.11 2.1/9

Bağımlı ve bir bağımsız olaklıkları farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrisi ilk herhangi ilk ve son durumun bulunacağı olaylara göre herhangi ikinci son durumuna bağlı

ilk simetri 2.3.2.1.11 3.1/6

ilk düzgün olmaya simetrik
tasılık, 2.3.2.3-1.6.3.1/9

ağımlı bir bağımlı olasılıklı farklı dizilimsiz şımsız-lagsız durumlu simetrisin ilk türleri iki ve son durumun bulunabileceği olaylara göre herhangi mevcut son durumuna bağlı

ilk simetrik olasılık,
2. 2.1.11.7.1.1/8-9

lik düzgün olmayan simetrik olasılık, 2.3.2.3.11.7.1.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık,
2.3.2.1.11.7.2.1/8-9

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.7.2.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği lara göre herhangi iki ve son durumuna ait

ilk simetrik olas.

ilk düzgün olmayan olasılık 2.3.2.3.1 7.3.1/6

ANSWER **ANSWER** **ANSWER** **ANSWER** **ANSWER**

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 soru, problem ve ispat çözümlerinden oluşmaktadır. Bu cilt bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz olasılık dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımin ilk bağımlı durumu olan ve bağımlı olasılıklı dağılımin ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılığın, tanım ve eşitliklerinden söz almaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumla simetrik olasılığın herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılık kitabı nda, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımin ilk bağımlı durumu olan ve bağımlı olasılıklı dağılımin ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin herhangi iki durumuna bağlı ilk düzgün olmayan simetrik olasılığın, tanım ve eşitliklerinden söz almaktadır.

VDOİHİ'nin diğer ciltlerinde olduğu gibi bu cilt de verilenlere göre eşitlikler, olasılık tablolarından elde edilen verilerle üretilmiştir. Diğer ciltlerde ise aile eşitliklerden teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde en kaynak kütüphane olmuştur.

GÜNDÜZ